

## CCN family member 1 (CCN1) Recombinant Protein | CCN1 recombinant protein

Recombinant Human CCN family member 1 (CCN1)

CATALOG #  
**AAA115159**

HOST  
**E Coli or Yeast or Baculovirus or Mammalian Cell**

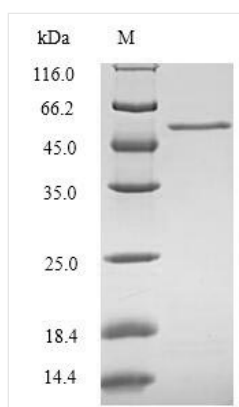
### PRODUCT SYNONYMS

CCN family member 1 (CCN1); Recombinant Human CCN family member 1 (CCN1); CCN family member 1; Cysteine-rich angiogenic inducer 61; Insulin-like growth factor-binding protein 10; IBP-10; IGF-binding protein 10; IGFBP-10; Protein GIG1; CCN1 recombinant protein

### PRODUCT SPECIFICATIONS

|                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
|-------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Host                    | E Coli or Yeast or Baculovirus or Mammalian Cell                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| Purity/Purification     | Greater or equal to 85% purity as determined by SDS-PAGE.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| Form/Format             | Lyophilized or liquid (Format to be determined during the manufacturing process)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| Sequence Positions      | 25-381aa; Full Length of Mature Protein                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| Sequence                | TCPAACHCPL EAPKCAPGVG LVRDGC GCK VCAKQLNEDC SKTQPCDHTK GLECNFGASS TALKGICRAQ<br>SEGRPCEYNS RIYQNGESFQ PNCKHQCTCI DGAVGCIPLC PQELSLPNLG CPNPRLVKVT GQCCEEWVCD<br>EDSIKDPMED QDGLLGKELG FDASEVELTR NNELIAVGKG SSLKRLPVFG MEPRILYNPL QGQKCIVQTT<br>SWSQCSKTCG TGISTRVTND NPECRLVKET RICEVRPCGQ PVYSSLKKGK KCSKTKKSPE PVRFTYAGCL<br>SVKKYRPKYC GSCVDGRCCT PQLTRTVKMR FRCEGETFS KNVMMIQSCK CNYNCPHANE AAFPYRFLN<br>DIHKFRD                                                                                                                                                                                                                                                                                                                                                                    |
| Species                 | Homo sapiens (Human)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| Production Note         | <b>Special Offer:</b> The E Coli host-expressed protein is manufactured from a stock plasmid containing the protein gene. E Coli host-expressed protein is stocked in different unit sizes ranging from as small as 10 ug to as large as 1 mg. Bulk inventory is also available. The E Coli host-expressed protein has been ordered over and over again by researchers and has stood the test of time as both a robust protein and important target for the research community. It is part of our new program to make our most popular protein targets and corresponding hosts available in expanded unit sizes and with a quick processing time. Select E Coli host-expressed protein for the fastest delivery among all hosts. Please contact our <b>or email to</b> for more details. |
| Preparation and Storage | Store at -20 degree C, for extended storage, conserve at -20 degree C or -80 degree C.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |

### IMAGES



SDS-PAGE

ADDITIONAL INFORMATION

|                                                          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
|----------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Related Product Information for CCN1 recombinant protein | Promotes cell proliferation, chemotaxis, angiogenesis and cell adhesion. Appears to play a role in wound healing by up-regulating, in skin fibroblasts, the expression of a number of genes involved in angiogenesis, inflammation and matrix remodeling including VEGA-A, VEGA-C, MMP1, MMP3, TIMP1, uPA, PAI-1 and integrins alpha-3 and alpha-5. CYR61-mediated gene regulation is dependent on heparin-binding. Down-regulates the expression of alpha-1 and alpha-2 subunits of collagen type-1. Promotes cell adhesion and adhesive signaling through integrin alpha-6/beta-1, cell migration through integrin alpha-v/beta-5 and cell proliferation through integrin alpha-v/beta-3. |
| Product Categories/Family for CCN1 recombinant protein   | Stem Cells                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| References                                               | "The angiogenic factor Cyr61 activates a genetic program for wound healing in human skin fibroblasts." Chen C.-C., Mo F.-E., Lau L.F. J. Biol. Chem. 276:47329-47337(2001)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |

NCBI AND UNIPROT INFORMATION

|                                  |                                                               |
|----------------------------------|---------------------------------------------------------------|
| NCBI GI #                        | 31542331                                                      |
| NCBI GeneID                      | 3491                                                          |
| NCBI Accession #                 | NP_001545.2                                                   |
| NCBI GenBank Nucleotide #        | NM_001554.4                                                   |
| UniProt Accession #              | O00622; O14934; O43775; Q9BZL7                                |
| Molecular Weight                 | 55.4 kDa                                                      |
| NCBI Official Full Name          | protein CYR61                                                 |
| NCBI Official Synonym Full Names | cysteine rich angiogenic inducer 61                           |
| NCBI Official Symbol             | CYR61                                                         |
| NCBI Official Synonym Symbols    | CCN1; GIG1; IGFBP10                                           |
| NCBI Protein Information         | protein CYR61                                                 |
| UniProt Protein Name             | Protein CYR61                                                 |
| UniProt Gene Name                | CYR61                                                         |
| UniProt Synonym Gene Names       | CCN1; GIG1; IGFBP10; IBP-10; IGF-binding protein 10; IGFBP-10 |
| UniProt Entry Name               | CYR61_HUMAN                                                   |

**For Research Use Only.** Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.