

## Collagen alpha-2 (IV) chain (COL4A2) Recombinant Protein | COL4A2 recombinant protein

Recombinant Human Collagen alpha-2 (IV) chain (COL4A2) , partial

CATALOG #  
AAA114024

HOST  
E Coli or Yeast or Baculovirus or Mammalian Cell

### PRODUCT SYNONYMS

Collagen alpha-2 (IV) chain (COL4A2); Recombinant Human Collagen alpha-2 (IV) chain (COL4A2); partial; COL4A2 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      | 1493-1712aa; Partial                                                                                                                                                                                                                                          |
| Sequence                | VKHSQTDQEP MCPVGMNKLW SGYSLLYFEG QEKAHNQDLG LAGSCLARFS TMPFLYCNP G DVCYYASRND<br>KSYWLSTTAP LPMPVVAEDE IKPYISRC SV CEAPAIAIAV HSQDVSIPHC PAGWRSLWIG YSFLMHTAAG<br>DEGGGQSLVS PGSCLEDFRA TPFIECNGGR GTCHYYANKY SFWLT TIPEQ SFQGSPSADT LKAGLIRTHI<br>SRCQVCMKNL |
| Species                 | Human                                                                                                                                                                                                                                                         |
| Preparation and Storage | Store at -20 degrees C. For long-term storage, store at -20 degrees C or -80 degrees C. Store working aliquots at 4 degrees C for up to one week. Repeated freezing and thawing is not recommended.                                                           |

### ADDITIONAL INFORMATION

|                                                            |                                                                                                                                                                                                                                                                                                                                                                                                                                         |
|------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Related Product Information for COL4A2 recombinant protein | This gene encodes one of the six subunits of type IV collagen, the major structural component of basement membranes. The C-terminal portion of the protein, known as canstatin, is an inhibitor of angiogenesis and tumor growth. Like the other members of the type IV collagen gene family, this gene is organized in a head-to-head conformation with another type IV collagen gene so that each gene pair shares a common promoter. |
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### NCBI AND UNIPROT INFORMATION

|                                  |                                                                                                                            |
|----------------------------------|----------------------------------------------------------------------------------------------------------------------------|
| NCBI GI #                        | <a href="#">116256354</a>                                                                                                  |
| NCBI GeneID                      | <a href="#">1284</a>                                                                                                       |
| NCBI Accession #                 | <a href="#">NP_001837.2</a>                                                                                                |
| NCBI GenBank Nucleotide #        | <a href="#">NM_001846.3</a>                                                                                                |
| UniProt Accession #              | <a href="#">P08572</a> ; <a href="#">Q14052</a> ; <a href="#">Q548C3</a> ; <a href="#">Q5VZA9</a> ; <a href="#">Q66K23</a> |
| Molecular Weight                 | 28.3                                                                                                                       |
| NCBI Official Full Name          | collagen alpha-2(IV) chain preproprotein                                                                                   |
| NCBI Official Synonym Full Names | collagen type IV alpha 2 chain                                                                                             |
| NCBI Official Symbol             | COL4A2                                                                                                                     |
| NCBI Official Synonym Symbols    | ICH; POREN2                                                                                                                |
| NCBI Protein Information         | collagen alpha-2(IV) chain                                                                                                 |

|                      |                            |
|----------------------|----------------------------|
| UniProt Protein Name | Collagen alpha-2(IV) chain |
| UniProt Gene Name    | COL4A2                     |

**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.

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Online datasheet: <https://www.aaabiotech.com/col4a2-recombinant-protein-e-coli/114024>