

# Nephrin Recombinant Protein | NPHS1 recombinant protein

Recombinant Human Nephrin

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| CATALOG #<br><b>AAA116086</b> | HOST<br><b>E Coli or Yeast or Baculovirus or Mammalian Cell</b> |
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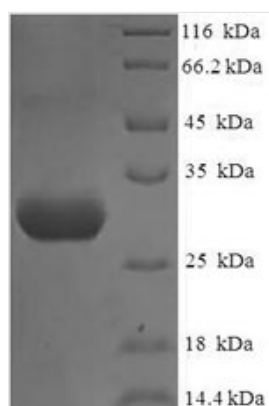
## PRODUCT SYNONYMS

Nephrin; Recombinant Human Nephrin; Renal glomerulus-specific cell adhesion receptor; NPHS1 recombinant protein

## PRODUCT SPECIFICATIONS

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| 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      | 23-257aa; Partial                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| Sequence                | QLAIPASVPR GFWALPENLT VVEGASVELR CGVSTPGSAV QWAKDGLLLG PDPRI PGFPR YRLEGDPARG EFHLHIEACD LSDDAEYECQ VGRSEMGPEL VSPRVLSIL VPPKLLLLTP EAGTMVTWVA GQEYVNCVS GDAKPAPDIT ILLSGQTISD ISANVNEGSQ QKLFTVEATA RVT PRSSDNR QLLVCEASSP ALEAPIKASF TVNVLFPPGP PVIEWPGLDE GHVRA                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| Production Note         | <b>Special Offer:</b> The E Coli host-expressed protein is manufactured from a stock plasmid containing the protein gene. E Colihost-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

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| <b>Related Product Information for NPHS1 recombinant protein</b> | Ses to play a role in the development or function of the kidney glomerular filtration barrier. Regulates glomerular vascular permeability. May anchor the podocyte slit diaphragm to the actin cytoskeleton. Plays a role in skeletal muscle formation through regulation of myoblast fusion. |
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| Product Categories/Family for NPHS1 recombinant protein | Cell adhesion                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| References                                              | <p>Positionally cloned gene for a novel glomerular protein -- nephrin --is mutated in congenital nephrotic syndrome.Kestilae M., Lenkkeri U., Maennikkoe M., Lamerdin J.E., McCready P., Putaala H., Ruotsalainen V., Morita T., Nissinen M., Herva R., Kashtan C.E., Peltonen L., Holmberg C., Olsen A., Tryggvason K.Mol. Cell 1:575-582(1998) Novel human pathological mutations. Gene symbol NPHS1. Disease congenital nephrotic syndrome, Finnish type.Tikhomirov E., Voznesenskaya T., Tsygin A.Hum. 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NCBI AND UNIPROT INFORMATION

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|---------------------------|------------------------|
| NCBI GI #                 | 4758822                |
| NCBI GeneID               | 4868                   |
| NCBI Accession #          | NP_004637.1            |
| NCBI GenBank Nucleotide # | NM_004646.3            |
| UniProt Accession #       | O60500; A6NDH2; C3RX61 |
| Molecular Weight          | 27.5 kDa               |

|                                  |                    |
|----------------------------------|--------------------|
| NCBI Official Full Name          | nephrin            |
| NCBI Official Synonym Full Names | NPHS1 nephrin      |
| NCBI Official Symbol             | NPHS1              |
| NCBI Official Synonym Symbols    | CNF; NPHN; nephrin |
| NCBI Protein Information         | nephrin            |
| UniProt Protein Name             | Nephrin            |
| UniProt Gene Name                | <b>NPHS1</b>       |
| UniProt Synonym Gene Names       | NPHN               |
| UniProt Entry Name               | NPHN_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.

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Online datasheet: <https://www.aaabiotech.com/nphs1-recombinant-protein-e-coli/116086>