

# Recombinant Mouse Nphs1 protein, His-tagged

**Cat. No.** Nphs1-4595M    **Lot. No.** (See product label)

## SPECIFICATION

|                         |                                                                                                                                                                                                                                                                                                                                 |
|-------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b> | Recombinant Mouse Nphs1 protein(Q9QZS7)(36-250 aa), fused with C-terminal His tag, was expressed in E.coli.                                                                                                                                                                                                                     |
| <b>Species</b>          | Mouse                                                                                                                                                                                                                                                                                                                           |
| <b>Source</b>           | E.coli                                                                                                                                                                                                                                                                                                                          |
| <b>ProteinLength</b>    | 36-250 aa                                                                                                                                                                                                                                                                                                                       |
| <b>Form</b>             | For liquid formulations, the standard storage buffer consists of a Tris or PBS based solution supplemented with 5-50% glycerol. When provided as lyophilized powder, the product undergoes freeze-drying from a Tris- or PBS-based formulation containing 6% trehalose, adjusted to pH 8.0 prior to the lyophilization process. |
| <b>Molecular Mass</b>   | 29.6 kDa                                                                                                                                                                                                                                                                                                                        |
| <b>AASequence</b>       | AQSPVPTSAPRGFWALSENLTVVEGSTVKLWCGVRAPGSVVQWAKDGLLLGPNPK<br>IPGFPRYSLEGDSAKGEFHLLIEACDLSDDAEYECQVGRSELGPELVSPSVILSVSP<br>KVLQLTPEAGSTVTWVAGQEYVVTCTVSGDAKPAPDIIFIQGGRTVEDVSSSVNEGSE<br>EKLFFTEAEARVTPQSSDNGQLLVCEGSNPALATPIKASFTMNI                                                                                              |
| <b>Purity</b>           | Greater than 90% as determined by SDS-PAGE.                                                                                                                                                                                                                                                                                     |
| <b>Storage</b>          | Store at -20°C/-80°C upon receipt, aliquoting is necessary for mutiple use. Avoid repeated freeze-thaw cycles.                                                                                                                                                                                                                  |

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**Reconstitution**

Please reconstitute protein in deionized sterile water to a concentration of 0.1-1.0 mg/mL. Aliquot for long-term storage at -80°C.

**GENE INFORMATION**

**Gene Name** Nphs1 nephrosis 1 homolog, nephrin (human) [ Mus musculus ]

**Official Symbol** Nphs1

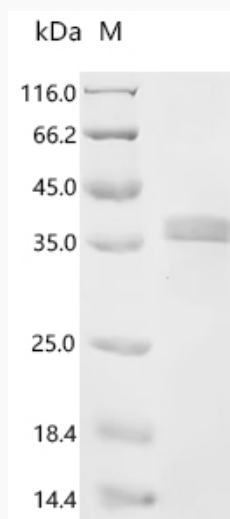
**Synonyms**

NPHS1; nephrosis 1 homolog, nephrin (human); nephrin; nephrin 1; renal glomerulus-specific cell adhesion receptor; NephrinB;

**Gene ID** 54631

**mRNA Refseq** NM\_019459

**Protein Refseq** NP\_062332

**SDS-PAGE**


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