

## Recombinant Human PCSK1 protein, His-tagged

Cat. No. PCSK1-892H    Lot. No. (See product label)

### SPECIFICATION

|                         |                                                                                                                                                                                                                                                                                                                                                                           |
|-------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b> | Recombinant Human PCSK1 protein(NP_000430.3) (Met 1-Arg 617) was expressed in Human Cells, fused with a polyhistidine tag at the C-terminus.                                                                                                                                                                                                                              |
| <b>Species</b>          | Human                                                                                                                                                                                                                                                                                                                                                                     |
| <b>Source</b>           | Human Cells                                                                                                                                                                                                                                                                                                                                                               |
| <b>ProteinLength</b>    | 1-617 aa                                                                                                                                                                                                                                                                                                                                                                  |
| <b>Form</b>             | Lyophilized from sterile 25mM Tris, 150mM NaCl, pH 7.5.                                                                                                                                                                                                                                                                                                                   |
| <b>Molecular Mass</b>   | The purified recombinant human PCSK1 consists of 518 amino acids after removal of the pro peptide due to autocatalytic processing, corresponding to the active form (aa 111-617), and has a predicted molecular mass of 57.4 kDa. In SDS-PAGE under reducing conditions, the apparent molecular mass of the active rh PCSK1 is approximately 66 kDa due to glycosylation. |
| <b>Endotoxin</b>        | < 1.0 EU per µg of the protein as determined by the LAL method.                                                                                                                                                                                                                                                                                                           |
| <b>Purity</b>           | > 95 % as determined by SDS-PAGE                                                                                                                                                                                                                                                                                                                                          |
| <b>Storage</b>          | Store it under sterile conditions at -20°C to -80°C upon receiving. Recommend to aliquot the protein into smaller quantities for optimal storage. Avoid repeated freeze-thaw cycles.                                                                                                                                                                                      |

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**Reconstitution**

It is recommended that sterile water be added to the vial to prepare a stock solution of 0.2 ug/ul. Centrifuge the vial at 4°C before opening to recover the entire contents.

**GENE INFORMATION**

|                  |                                                                      |
|------------------|----------------------------------------------------------------------|
| <b>Gene Name</b> | PCSK1 proprotein convertase subtilisin/kexin type 1 [ Homo sapiens ] |
|------------------|----------------------------------------------------------------------|

|                        |       |
|------------------------|-------|
| <b>Official Symbol</b> | PCSK1 |
|------------------------|-------|

**Synonyms**

PCSK1; proprotein convertase subtilisin/kexin type 1; NEC1; neuroendocrine convertase 1; PC1; PC3; prohormone convertase 1; prohormone convertase 3; proprotein convertase 1; SPC3; NEC 1; BMIQ12;

|                |      |
|----------------|------|
| <b>Gene ID</b> | 5122 |
|----------------|------|

|                    |           |
|--------------------|-----------|
| <b>mRNA Refseq</b> | NM_000439 |
|--------------------|-----------|

|                       |           |
|-----------------------|-----------|
| <b>Protein Refseq</b> | NP_000430 |
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|            |        |
|------------|--------|
| <b>MIM</b> | 162150 |
|------------|--------|

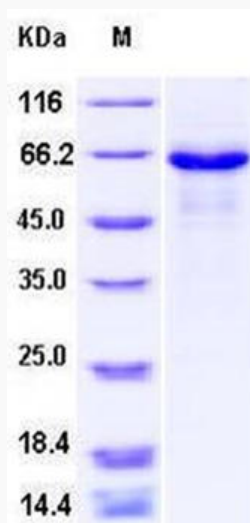
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|-------------------|--------|
| <b>UniProt ID</b> | P29120 |
|-------------------|--------|

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SDS-PAGE



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