

# Recombinant Human PROC protein, His-tagged

**Cat. No.** PROC-59H    **Lot. No.** (See product label)

## SPECIFICATION

|                         |                                                                                                                                                                                                                                               |
|-------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b> | Recombinant Human PROC protein(P04070) (Met1-Pro461) was expressed in HEK293 with a C-terminal polyhistidine tag.                                                                                                                             |
| <b>Species</b>          | Human                                                                                                                                                                                                                                         |
| <b>Source</b>           | HEK293                                                                                                                                                                                                                                        |
| <b>ProteinLength</b>    | 1-461 aa                                                                                                                                                                                                                                      |
| <b>Form</b>             | Lyophilized from sterile PBS, pH 7.4.                                                                                                                                                                                                         |
| <b>Molecular Mass</b>   | The recombinant human PROC comprises 454 amino acids and has a predicted molecular mass of 51.5 kDa. The apparent molecular mass of the protein is approximately 56-64 and 45 kDa in SDS-PAGE under reducing conditions due to glycosylation. |
| <b>Endotoxin</b>        | < 1 EU/g as determined by LAL test.                                                                                                                                                                                                           |
| <b>Purity</b>           | (79+20.5) % 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.                                                          |
| <b>Reconstitution</b>   | It is recommended that sterile water be added to the vial to prepare a stock solution of                                                                                                                                                      |

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0.2 ug/ul. Centrifuge the vial at 4°C before opening to recover the entire contents.

## GENE INFORMATION

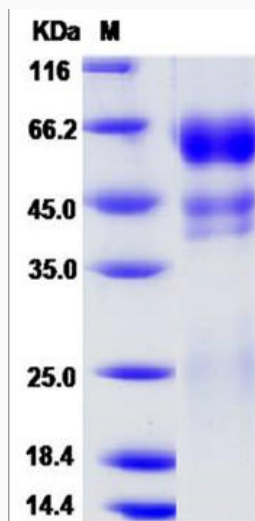
|                 |                                                                                                                                                                                                             |
|-----------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Gene Name       | PROC protein C (inactivator of coagulation factors Va and VIIIa) [ Homo sapiens ]                                                                                                                           |
| Official Symbol | PROC                                                                                                                                                                                                        |
| Synonyms        | PROC; protein C (inactivator of coagulation factors Va and VIIIa); vitamin K-dependent protein C; autoprothrombin IIA; anticoagulant protein C; blood coagulation factor XIV; PC; APC; PROC1; THPH3; THPH4; |
| Gene ID         | 5624                                                                                                                                                                                                        |
| mRNA Refseq     | NM_000312                                                                                                                                                                                                   |
| Protein Refseq  | NP_000303                                                                                                                                                                                                   |
| MIM             | 612283                                                                                                                                                                                                      |
| UniProt ID      | P04070                                                                                                                                                                                                      |

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SDS-PAGE



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