

Active Recombinant Human PROC protein, His-tagged

Cat. No. PROC-25H Lot. No. (See product label)

SPECIFICATION

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| Product Overview | Recombinant Human PROC(Ala43-Pro461) fused with His tag at C-terminal was expressed in CHO. The isolated protein was activated by thrombin/thrombomodulin complex and further purified. |
| Species | Human |
| Source | CHO |
| ProteinLength | 43-461 a.a. |
| Predicted N Terminal | Ala43 (light chain) & Leu212 (heavy chain) |
| Form | Supplied as a 0.2 µm filtered solution in Tris, NaCl and CaCl ₂ . |
| Bio-activity | Measured by its ability to cleave the fluorogenic peptide substrate Boc-VPR-AMC. The specific activity is >275 pmol/min/g. |
| Molecular Mass | Predicted Molecular Mass: 19 (light chain), 29 (heavy chain) kDa; SDS-PAGE: 22-25 kDa and 40-50 kDa, reducing conditions. |
| Endotoxin | <1.0 EU per 1 µg of the protein by the LAL method. |
| Purity | >95%, by SDS-PAGE under reducing conditions and visualized by silver stain |
| Storage | Avoid repeated freeze-thaw cycles. |

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6 months from date of receipt, -20 to -70 centigrade as supplied.
 3 months, -20 to -70 centigrade under sterile conditions after opening.

GENE INFORMATION

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|----------------------------|--|
| 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; autoprote thrombin 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 |
| Chromosome Location | 2q13-q14 |
| Pathway | Cell surface interactions at the vascular wall, organism-specific biosystem; Common Pathway, organism-specific biosystem; Complement and Coagulation Cascades, organism-specific biosystem; Complement and coagulation cascades, organism-specific biosystem; Complement and coagulation cascades, conserved biosystem; Formation of Fibrin Clot (Clotting Cascade), organism-specific biosystem; Gamma- |

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carboxylation of protein precursors, organism-specific biosystem;

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