

Active Recombinant Human PROC protein, His-tagged

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

SPECIFICATION

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

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
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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