Active Recombinant Human PROC protein, His-tagged

Cat. No. PROC-24H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human PROC(Met1-Pro461) fused with His tag at C-terminal was expressed in NS0.
Species	Human
Source	Mammalian Cells
ProteinLength	1-461 a.a.
Predicted N Terminal	Ala43 (mature and light chains) & Asp200 (heavy chain)
Form	Lyophilized from a 0.2 μm filtered solution in Sodium Acetate and NaCl.
Bio-activity	Measured by its ability to cleave the fluorogenic peptide substrate Boc-VPR-AMC. The specific activity is >25 pmol/min/μg.
Molecular Mass	Predicted Molecular Mass: 49 (mature), 31 (heavy), 18 (light) kDa; SDS-PAGE: 60-64 kDa, 41-44 kDa and 22 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. 6 months from date of receipt, -20 to -70 centigrade as supplied.

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	3 months, -20 to -70 centigrade under sterile conditions after reconstitution.
Reconstitution	Reconstitute at 200 µg/mL in sterile, deionized water.

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;

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	Formation of Fibrin Clot (Clotting Cascade), organism-specific biosystem; Gamma-carboxylation of protein precursors, organism-specific biosystem;

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