Recombinant Human PROC protein, His-tagged

Cat. No. PROC-33H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human PROC(Ser53~Ile445) fused with His tag at N-terminal was expressed in E. coli.
Species	Human
Source	E.coli
ProteinLength	Ser53~Ile445
Form	Supplied as lyophilized form in PBS, pH7.4, containing 5% trehalose, 0.01% sarcosyl.
Molecular Mass	45.8kDa
AA Sequence	MGHHHHHHSGSEF- SSLERECI EEICDFEEAK EIFQNVDDTL AFWSKHVDGD QCLVLPLEHP CASLCCGHGT CIDGIGSFSC DCRSGWEGRF CQREVSFLNC SLDNGGCTHY CLEEVGWRRC SCAPGYKLGD DLLQCHPAVK FPCGRPWKRM EKKRSHLKRD TEDQEDQVDP RLIDGKMTRR GDSPWQVVLL DSKKKLACGA VLIHPSWVLT AAHCMDESKK LLVRLGEYDL RRWEKWELDL DIKEVFVHPN YSKSTTDNDI ALLHLAQPAT LSQTIVPICL PDSGLAEREL NQAGQETLVT GWGYHSSREK EAKRNRTFVL NFIKIPVVPH NECSEVMSNM VSENMLCAGI LGDRQDACEG DSGGPMVASF HGTWFLVGLV SWGEGCGLLH NYGVYTKVSR YLDWI
Endotoxin	<1.0EU per 1μg (determined by the LAL method)

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Purity	> 95%
Applications	SDS-PAGE; WB; ELISA; IP.
Storage	Avoid repeated freeze/thaw cycles. Store at 2-8 centigrade for one month. Aliquot and store at -80 centigrade for 12 months.
Reconstitution	Reconstitute in sterile PBS, pH7.2-pH7.4.

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

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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-carboxylation of protein precursors, organism-specific biosystem;
Function	calcium ion binding; peptidase activity; protein binding; serine-type endopeptidase activity;

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