

Recombinant Full Length Human PROC Protein, C-Flag-tagged

Cat. No. PROC-1743HFL **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Full Length Human PROC Protein, fused to Flag-tag at C-terminus, was expressed in Mammalian cells.
Species	Human
Source	Mammalian Cells
ProteinLength	1-461 aa
Description	This gene encodes a vitamin K-dependent plasma glycoprotein. The encoded protein is cleaved to its activated form by the thrombin-thrombomodulin complex. This activated form contains a serine protease domain and functions in degradation of the activated forms of coagulation factors V and VIII. Mutations in this gene have been associated with thrombophilia due to protein C deficiency, neonatal purpura fulminans, and recurrent venous thrombosis.
Form	25 mM Tris HCl, pH 7.3, 100 mM glycine, 10% glycerol.
Molecular Mass	50 kDa
AA Sequence	MWQLTSLLLFVATWGISGTPAPLDSVFSSSERAHQVLRIRKRANSFLEELRHSSLER ECIEEICDFEEAK EIFQNVDDTLAFWSKHVDGDQCLVLPLEHPCASLCCGHGTCIDG IGSFSCDCRSGWEGRFCQREVSFLNC SLDNGGCTHYCLEEVGWRRRCSCAPGYKL GDDLQCHPAVKFPCGRPWKRMEKKRSHLKRDTEDQEDQVDP RLIDGKMTRRGD SPWQVVLLDSKKKLACGAVLIHPSWVLTAAHCMDESKLLVRLGEYDLRRWEKWEL

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DL DIKEV FVHPNYSKSTTDNDIALH LAQPATLSQTIVPICLPD SGLAERELN QAGQE
 TLVTGWGYHSSREK EAKRNRTFVLNFIKIPVVP HNECSEVMSNMVSENMLCAGILG
 DRQDACEGDSGGPMVASFHGTWFLVGLV
 SWGEGCGLLHNYGVYTKVSRYLDWIHGHIRDKEAPQKSWAPTRTRPLEQKLISEED
 LAANDILDYKDDDDKV

Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining.
Stability	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
Storage	Store at -80 centigrade.
Concentration	>50 ug/mL as determined by microplate BCA method.
Preparation	Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.
Protein Families	Druggable Genome, Protease
Protein Pathways	Complement and coagulation cascades
Full Length	Full L.

GENE INFORMATION

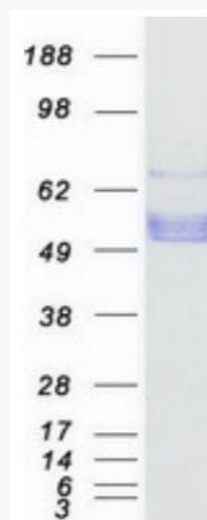
Gene Name	PROC protein C, inactivator of coagulation factors Va and VIIIa [Homo sapiens (human)]
Official Symbol	PROC

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Synonyms	PC; APC; PROC1; THPH3; THPH4
Gene ID	5624
mRNA Refseq	NM_000312.4
Protein Refseq	NP_000303.1
MIM	612283
UniProt ID	P04070



Coomassie blue staining of purified PROC protein.