

Recombinant Human PROC Protein, Myc/DDK-tagged, C13 and N15-labeled

Cat. No. PROC-3505H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	PROC MS Standard C13 and N15-labeled recombinant protein (NP_000303) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.
Species	Human
Source	HEK293
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.
Molecular Mass	52.1 kDa
AA Sequence	MWQLTSLLLFVATWGISGTPAPLDSVFSSSERAHQVLRIRKRANSFLEELRHSSLER ECIEEICDFEEAKEIFQNVDDTLAFWSKHVDGDQCLVLPLEHPCASLCCGHGTCIDGI GSFSCDCRSGWEGRFCQREVSFLNCSLDNNGGCTHYCLEEVGWRRRCSCAPGYKLG DDLLQCHPAVKFPCGRPWKRMKKRSHLKRDTEDQEDQVDPRLIDGKMTRRGDSP WQVVLLDSKKKLACGAVLIHPSWVLTAAHCMDESKLLVRLGEYDLRRWEKWELDL DIKEVFVHPNYSKSTTDNDIALHQAQPATLSQTIVPICLPDSGLAERELNQAGQETLV

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TGWGYHSSREKEAKRNRTFVLNFIKIPVVP HNECSEVMSNMVSENMLCAGILGDRQ
 DACEGDSGGPMVASFHGTWFLVGLVSWGEGCGLLHNYGVYTKVSRYL DWIHGHIR
 DKEAPQKSWAPTRTRPLEQKLISEEDLAANDILDYKDDDDKV

Purity > 80% as determined by SDS-PAGE and Coomassie blue staining

Stability Stable for 3 months from receipt of products under proper storage and handling conditions.

Storage Store at -80 centigrade. Avoid repeated freeze-thaw cycles.

Concentration 50 µg/mL as determined by BCA

Storage Buffer 100 mM glycine, 25 mM Tris-HCl, pH 7.3.

GENE INFORMATION

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

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

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MIM 612283

UniProt ID P04070

SDS-PAGE



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