

Native Mouse Protein C

Cat. No. Proc-5346M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Native Mouse Procwas expressed in mouse plasma. Its molecular weight is 62000 Dalton.
Species	Mouse
Source	Mouse Plasma
ProteinLength	1-460 aa
Description	Proc is preparedfrom fresh frozen citrated human plasma using a combination of immunoaffinitychromatography, and conventional techniques.
Form	Liquid containing50% glycerol.
Concentration	5.0 mg/ml
MolecularWeight	62 kDa
Purity	> 95% by SDS-PAGE
Endotoxin Level	< 0.1 ng/g ofprotein
Biological Activity	Activity is measuredusing a chromogenic substrate based assay.
Storage	Store at -20°C.Stable at -20°C for 1 year from delivery. Avoid repeated freeze-thaw

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	cycles.
OfficialSymbol	Proc
Pathways	Cell surfaceinteractions at the vascular wall; Common Pathway; Complement and CoagulationCascades; Formation of Fibrin Clot (Clotting Cascade); Gamma-carboxylation ofprotein precursors; Gamma-carboxylation, transport, and amino-terminalcleavage of proteins; Hemostasis; Metabolism of proteins; Post-translationalmodification: gamma carboxylation and hypusine formation; Removal ofaminoterminal propeptides from gamma-carboxylated proteins; Transport ofgamma-carboxylated protein precursors from the endoplasmic reticulum to theGolgi apparatus
GENE INFORMATION	
Gene Name	Proc protein C [Mus musculus]
Synonyms	Proc; protein C; PC
Gene ID	19123
mRNA Refseq	NM_001042767
Protein Refseq	NP_001036232
UniProt ID	P33587
Chromosome Location	18; 18 B3
Function	calcium ion binding;catalytic activity; hydrolase activity; peptidase activity; serine-typeendopeptidase activity; serine-type peptidase activity

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Tertiary structure of human activated protein C (minus the Gla-domain), determined by X-ray crystallography (Heavy chain on the left and light chain to the right; each chain is individually rainbow colored, N-terminus = blue, C-terminus = red.)



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