

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

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

cycles.

OfficialSymbol

Proc

Pathways

Cell surface interactions at the vascular wall; Common Pathway; Complement and Coagulation Cascades; Formation of Fibrin Clot (Clotting Cascade); Gamma-carboxylation of protein precursors; Gamma-carboxylation, transport, and amino-terminal cleavage of proteins; Hemostasis; Metabolism of proteins; Post-translational modification: gamma carboxylation and hypusine formation; Removal of amino-terminal propeptides from gamma-carboxylated proteins; Transport of gamma-carboxylated protein precursors from the endoplasmic reticulum to the Golgi 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

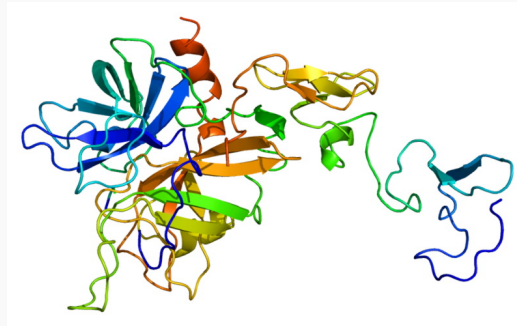
calcium ion binding; catalytic activity; hydrolase activity; peptidase activity; serine-type endopeptidase activity; serine-type peptidase activity


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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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