

Product datasheet for **TP720682M**

Protein C inhibitor (SERPINA5) (NM_000624) Human Recombinant Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Purified recombinant protein of Human serpin peptidase inhibitor, clade A (alpha-1 antiproteinase, antitrypsin), member 5 (SERPINA5)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	His20-Pro406
Tag:	C-6His
Predicted MW:	44.7 kDa
Concentration:	lot specific
Purity:	>95% as determined by SDS-PAGE and Coomassie blue staining
Buffer:	Provided lyophilized from a 0.2 µm filtered solution of 20 mM Tris-HCl, 150 mM NaCl
Endotoxin:	Endotoxin level is < 0.1 ng/µg of protein (< 1 EU/µg)
Reconstitution Method:	Always centrifuge tubes before opening. Do not mix by vortex or pipetting. Dissolve the lyophilized protein in ddH ₂ O. It is not recommended to reconstitute a concentration less than 100 µg/ml. Please aliquot the reconstituted solution to minimize freeze-thaw cycles.
Storage:	Store at -80°C.
Stability:	Stable for at least 6 months from date of receipt under proper storage and handling conditions.
RefSeq:	NP_000615
Locus ID:	5104
UniProt ID:	P05154 , A0A024R6N9 , B4DDH1
RefSeq Size:	2352
Cytogenetics:	14q32.13
RefSeq ORF:	1218
Synonyms:	PAI-3; PAI3; PCI; PCI-B; PLANH3; PROCI



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Summary:

The protein encoded by this gene is a member of the serpin family of proteins, a group of proteins that inhibit serine proteases. This gene is one in a cluster of serpin genes located on the q arm of chromosome 14. This family member is a glycoprotein that can inhibit several serine proteases, including protein C and various plasminogen activators and kallikreins, and it thus plays diverse roles in hemostasis and thrombosis in multiple organs. [provided by RefSeq, Aug 2012]

Protein Families:

Druggable Genome, Secreted Protein

Protein Pathways:

Complement and coagulation cascades