

Recombinant Mouse Serpinf1 Protein

Cat. No. Serpinf1-139M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Purified recombinant protein of Mouse serine (or cysteine) peptidase inhibitor, clade F, member 1 (Serpinf1) without tag was expressed in E.coli.
Species	Mouse
Source	E.coli
Description	Neurotrophic protein; induces extensive neuronal differentiation in retinoblastoma cells. Potent inhibitor of angiogenesis. As it does not undergo the S (stressed) to R (relaxed) conformational transition characteristic of active serpins, it exhibits no serine protease inhibitory activity.
Molecular Mass	42 kDa
AA Sequence	MDPFFKVPVNKLAAAVSNFGYDLYRLRSSASPTGNVLLSPLSVATALSALSLGAEHR TESVIHRALYYDLITNPDIHSTYKELLASVTAPEKNLKSASRIVFERKLRVKSSFVAPLE KSYGTRPRILTGNPRVDLQEINNWWQAQMKGKIARSTREMPALSILLGVAYFKGQ WTKFDSRKTTLQDFHLDERTVRVPMMSDPKAILRYGLDSDLNCKIAQLPLTGSM SIIFFLPLTVTQNLTMIEESLTSEF
Endotoxin	Endotoxin level is < 0.1 ng/g of protein (< 1 EU/g)
Purity	>95%, as determined by SDS-PAGE and Coomassie blue staining
Stability	Stable for at least 6 months from date of receipt under proper storage and handling

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	conditions.
Storage	Store at -80 centigrade.
Storage Buffer	Lyophilized from a 0.2 M filtered solution of PBS, pH 7.4
Reconstitution	Always centrifuge tubes before opening. Do not mix by vortex or pipetting. It is not recommended to reconstitute to a concentration less than 100 g/ml. Dissolve the lyophilized protein in 1X PBS. Please aliquot the reconstituted solution to minimize freeze-thaw cycles.
GENE INFORMATION	
Gene Name	Serpinf1 serine (or cysteine) peptidase inhibitor, clade F, member 1 [Mus musculus (house mouse)]
Official Symbol	Serpinf1
Synonyms	Serpinf1; serine (or cysteine) peptidase inhibitor, clade F, member 1; Pedf; Sdf3; EPC-1; Pedfl; AI195227; pigment epithelium-derived factor; SDF-3; alpha-2 antiplasmin; caspin; serine (or cysteine) proteinase inhibitor, clade F (alpha-2 antiplasmin, pigment epithelium derived factor), member 1; serine (or cysteine) proteinase inhibitor, clade F), member 1; serine (or cysteine) proteinase inhibitor, clade F, member 1; serpin F1; stromal cell-derived factor 3
Gene ID	20317
mRNA Refseq	NM_011340
Protein Refseq	NP_035470

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UniProt ID

P97298

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