

Serpin E2/PN1 Recombinant Protein | Serpine2 recombinant protein

Recombinant Mouse Serpin E2/PN1 Protein (C-His)

CATALOG # AAA174710	HOST Human Cells
-------------------------------	----------------------------

PRODUCT SYNONYMS

Serpin E2/PN1; Recombinant Mouse Serpin E2/PN1 Protein (C-His); Glia-derived nexin; GDN; Peptidase inhibitor 7; PI-7; Protease nexin 1; PN-1; Protease nexin I; Serine protease-inhibitor 4; Serpin E2; Pi7; Pn1; Spi4; Serpine2 recombinant protein

PRODUCT SPECIFICATIONS

Host	Human Cells
Purity/Purification	>95% as determined by reducing SDS-PAGE.
Form/Format	Supplied as a 0.2 µm filtered solution of 20mM Tris, 150 mM NaCl, pH8.0.
Sequence	Ser20-Pro3 97
Sequence Length	397
Species	Mouse
Endotoxin	< 1.0 EU per µg as determined by the LAL method.
Fusion Tag	C-His
Preparation and Storage	Store at < -20 degree C, stable for 6 months. Please minimize freeze-thaw cycles.

ADDITIONAL INFORMATION

Related Product Information for Serpine2 recombinant protein	Protein Construction: Recombinant Mouse Serpin E2 is produced by our mammalian expression system and the target gene encoding Ser20-Pro397 is expressed with a 10His tag at the C-terminus. Background: Serpin E2 is a member of the Serpin superfamily of the serine protease inhibitors. Serpin E2 is a potent inhibitor of thrombin, plasmin and plasminogen activators. It is differentially expressed during neuronal differentiation and is able to transform human embryonic kidney cells into neuron-like cells. Its over-expression in mice leads to progressive neuronal and motor dysfunction in these animals. It is also over-expressed in the majority of pancreatic carcinoma as well as gastric and colorectal cancer samples whereas it is weakly expressed in all normal pancreas and chronic pancreatitis tissue samples. It plays an important role in controlling male fertility because its knockout male mice show a marked impairment in fertility from the onset of sexual maturity and its abnormal expression is found in the semen of men with seminal dysfunction.
---	---

NCBI AND UNIPROT INFORMATION

NCBI GI #	6678099
NCBI GeneID	20720
NCBI Accession #	NP_033281.1
NCBI GenBank Nucleotide #	NP_033281.1
UniProt Accession #	Q07235
Molecular Weight	Molecular Mass: 43.2kDa Actual Protein Molecular Mass: 50-55kDa

NCBI Official Full Name	glia-derived nexin
NCBI Official Synonym Full Names	serine (or cysteine) peptidase inhibitor, clade E, member 2
NCBI Official Symbol	Serpine2
NCBI Official Synonym Symbols	PI7; PI-7; PN-1; Spi4; PAI-1; B230326M24Rik
NCBI Protein Information	glia-derived nexin
UniProt Protein Name	Glia-derived nexin
UniProt Gene Name	Serpine2
UniProt Synonym Gene Names	Pi7; Pn1; Spi4; GDN; PI-7; PN-1
UniProt Entry Name	GDN_MOUSE

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com
Online datasheet: <https://stage.aaabiotech.com/serpine2-recombinant-protein-human-cells/174710>