

Product information

Serpine2, 20-397aa

Mouse, His-tagged, Recombinant, Insect cell

Cat. No. IBATGP3401

Full name: Glia-derived nexin

NCBI Accession No.: NP_033281

Synonyms: Serpin2, B230326M24Rik, PAI-1, PI-7, PI7, PN-1, Spi4

Description: Serpine2, as known as glia-derived nexin, is a member of the Serpin superfamily of the serine protease inhibitors. This protein 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. Also, it is over expression in mice leads to progressive neuronal and motor dysfunction in these animals. Recombinant mouse Serpine2, fused to His-tag at C-terminus, was expressed in insect cell and purified by using conventional chromatography techniques.

Form: Liquid. In Phosphate Buffered Saline (pH 7.4) containing 10% glycerol.

Molecular Weight: 42.9kDa (386aa)

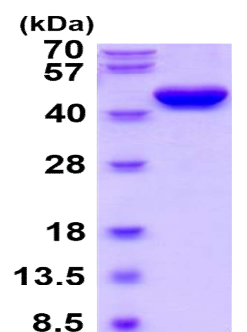
40-57kDa (SDS-PAGE under reducing conditions.)

Predicted N terminal: Ser20

Purity: > 95% by SDS – PAGE.

Concentration: 0.5mg/ml (determined by Absorbance at 280nm)

Endotoxin Level: < 1.0 EU per 1µg of protein (determined by LAL method)



15% SDS-PAGE (3µg)

Sequences of amino acids:

SQFNSLSLEE LGSNTGIQVF NQIIKSRPHE NVVSPHGIA SILGMLQLGA DGKTKKQLST VMRYNVNGVG KVLKKINKAI VSKKNKDIVT VANAVFLRNG
FKMEVPFAVR NKDFVQCEVQ NVNFQDPASA SESINFWVKN ETRGMIDNLL SPNLIDGALT RLVLVNAVYF KGLWKSFRFQP ESTKKRTFVA GDGKSYQVPM
LAQLSVFRSG STRTPNGLWY NFIELPYHGE SISMLIALPT ESSTPLSAII PHITTKTIDS WMNTMVPKRM QLVLPKFTAV AQTDLKEPLK ALGITMFEP
SKANFTKITR SESLHVSHIL QKAKIEVSED GTKASAATTA ILIARSSPPW FIVDRPFLFS IRHNPTGAIL FLGQVKNKPLE HHHHHH

General references:

Lu CH., *et al.* (2013) *PLoS ONE* 8:E74602.

McKee CM., *et al.* (2012) *J. Clin. Invest.* 122:4025-4036.

Storage: Can be stored at +4°C short term (1-2 weeks). For long term storage, aliquot and store at -20°C or -70°C.

Avoid repeated freezing and thawing cycles.

For research use only. This product is not intended or approved for human, diagnostics or veterinary use.



Manufactured for:

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