

**Serpine2, 20-397aa, Mouse, His-tag, Baculovirus**

**Cat.NO.: TP03904**

3th Edition

**Synonyms:** Glia-derived nexin , Serpnie2, B230326M24Rik, PAI-1, PI-7, PI7, PN-1, Spi4, GDN, GDN\_HUMAN, GDNPF, Glia derived nexin, Glia-derived nexin, Glial derived neurite promoting factor, P17.

**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.)

**Sequences:**

SQFNLSLEELGSNTGIQVFNQIIKSRPHENVVSPHGIASILGMLQLGADGKTKKQLSTVMRYNVNGVGKVLKKINK  
AIVSKKNKDIVTVANAVFLRNGFKMEVPPFAVRNKDVFQCEVQNVNFQDPASASESINFVWKNETRGMIDNLLSPNLI  
DGALTRLVLVNAVYFKGLWKS RFQPESTKKRTFVAGDGKSYQVPMLAQLSVFRSGSTRTPNGLWYNFIELPYHGE  
SISMLIALPTESSTPLSAIIPHITTKTIDSWMNTMVPKRMQLVLPKFTAVAQTDLKEPLKALGITEMFEPKANFTKITR  
SESLHVSHILQKAKIEVSEDGTKASAATTAILIARSSPPWFIVDRPFLFSIRHNPTGAILFLGQVNKPLEHHHHHH

**Purity:** > 95% by HPLC

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

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

**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.