
Product Data Sheet

Product Name: SERPINE2 Mouse

Cat. No.: GP22246

Batch No.: 1

Product Data

Purity	>98%	Source	Sf9, Baculovirus cells.
Physical Appearance	solid	Shipping Condition	Shipped with Ice Packs.
Synonyms	Serpine2; B230326M24Rik; PAI-1; PI-7; PI7; PN-1; Spi4; Glia-derived nexin; GDN; Peptidase inhibitor 7; Protease nexin 1; Protease nexin I; Serine protease-inhibitor 4; Serpin E2.		
Amino Acid Sequence	SQFNLSLEE LGSNTGIQVF NQIIKSRPHE NVVVSPHGIA SILGMLQLGADGKTKKQLST VMRYNVNGVG KVLKKINKAI VSKKNKDIVT VANAVFLRNG FKMEVPFAVR NKDVFQCEVQNVNFQDPASA SESINFWVKN ETRGMIDNLL SPNLIDGALT RLVLVNAVYF KGLWKS RFQP ESTKKRTFVAGDGKSYQVPM LAQLSVFRSG STRTPNGLWY NFIELPYHGE SISMLIALPT ESSTPLSAIL PHITTKTIDSWMNTMVPKRM QLVLPKFTAV AQTDLKEPLK ALGITEMFEP SKANFTKTR SESLHVSHIL QKAKIEVSEDGTKASAATTA ILIARSSPPW FIVDRPFLFS IRHNPTGAIL FLGQV NKPLE HHHHHH.		
Formulation	SERPINE2 protein solution (0.5mg/ml) contains Phosphate Buffered Saline (pH 7.4) and 10% glycerol.		

Introduction

Plasminogen Activator Inhibitor-2 (Serpine2) which inhibits thrombin, plasmin and plasminogen activators is a part of the Serpin superfamily of the serine protease inhibitors. Serpine2 is able to transform human embryonic kidney cells into neuron-like cells. Furthermore, Serpine2's over expression in mice leads to progressive neuronal and motor dysfunction.

Stability

Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time. For long term storage it is recommended to add a carrier protein (0.1%

Caution: Product has not been fully validated for medical applications. For research use only.

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HSA or BSA). Avoid multiple freeze-thaw cycles.

Background

SERPINE2 produced in Sf9 Baculovirus cells is a single, glycosylated polypeptide chain containing 386 amino acids (20-397 a.a.) and having a molecular mass of 42.9 kDa (Molecular size on SDS-PAGE will appear at approximately 40-57 kDa). SERPINE2 is expressed with a 8 amino acid His tag at C-Terminus and purified by proprietary chromatographic techniques.

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