9051 Mira Mesa Blvd, #910094
San Diego, CA 92191
Tel: 760-390-3989

SERPINA9 Mouse

Serpin Peptidase Inhibitor, Clade A Mouse Recombinant
RCP2043

Product Overview

Name	SERPINA9 Mouse
Description	
Serpin Peptidase Inhibitor, Clade A Mouse Recombinant	
Accession (Primary)	Q9D7D2
Synonyms	
Serpin A9, Serpina9, SERPINA9.	
Introduction	
Serpin Peptidase Inhibitor, Clade A Member 9, also known as serpin A9, belongs to the Serpin superfamily of serine protease inhibitors. Serpins are the most extensively distributed superfamily of protease inhibitors which use a conformational modification to inhibit target enzymes. Serpins are known to inhibit serine proteases as well as inhibiting caspases in addition to papain-like cysteine proteases. Serpins are conformational labile and numerous of the disease-linked mutations of serpins outcome in misfolding or in pathogenic, inactive polymers. serpin A9 demonstrates inhibition towards trypsin, thrombin, as well as plasmin and binds DNA and heparin.	
Source	
Sf9, Baculovirus cells.	
Physical Appearance	
Sterile Filtered colorless solution.	
Formulation	
SERPINA9 protein solution (0.25mg/ml) contains Phosphate Buffered Saline (pH 7.4) and 10% glycerol.	
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% HSA or BSA). Avoid multiple freeze-thaw cycles.	
Purity	
Greater than 85.0% as determined by SDS-PAGE.	
Amino acid sequence	
NPYNQESSHL PSMKKNPASQ VSPSNTRFSF LLYQRLAQEN PGQNILFSPV SISTSLAMLS LGARSATKTQ ILRTLGFNFT WVSEPTIHMG FEYLVRSLNK CHQGRELRMG SVLFIRKELQ LQATFLDRVK KLYGAKVFSE DFSNAATAQA QINSYVEKET KGKVVDVIQD LDSQTAMVLV NHIFFKANWT QPFSTANTNK SFPFLLSKGT	

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TVHVPMMHQT ESFAFGVDKE LGCSILQMDY RGDAVAFFVL PGKGKMRQLE KSLSARRLRK WSRSLQKRWI KVFIPKFSIS ASYNLETILP KMGIRDAFNS NADFSGITKT HFLQVSKAAH KAVLDVSEEG TEAAAATTTK LIVRSRDTPS SIIAFKEPFL ILLLDKNTES VLFLGKVENP RKM LEHHHHH H

Precautions

SERPINA9 Mouse is for research use only and not for use in diagnostic or therapeutic procedures.

Target Information: (Q9D7D2)