

## 32-13406: SERPINA9 Mouse

**Alternative Name :** Serpin A9, Serpina9, SERPINA9.

### Description

Source: Sf9, Baculovirus cells.

Sterile Filtered colorless solution.

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.

SERPINA9 Mouse Recombinant produced in Sf9 Baculovirus cells is a single, glycosylated polypeptide chain containing 401 amino acids (26-418 a.a) and having a molecular mass of 45.2kDa (Molecular size on SDS-PAGE will appear at approximately 50-70kDa).SERPINA9 is fused to an 8 amino acid His-tag at C-terminus & purified by proprietary chromatographic techniques.

### Product Info

**Amount :** 1 µg / 5 µg

**Purification :** Greater than 85.0% as determined by SDS-PAGE.

**Content :** SERPINA9 protein solution (0.25mg/ml) contains Phosphate Buffered Saline (pH 7.4) and 10% glycerol.

**Storage condition :** 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.

**Amino Acid :** NPYNQESSHL PSMKKNPASQ VSPSNTRFSF LLYQRLAQEN PGQNILFSPV SISTSLAMLS LGARSATKTQ ILRTLGFNFT WVSEPTIHMG FEYLVRSLNK CHQGRELRMG SVLFIRKELQ LQATFLDRVK KLYGAKVFSE DFSNAATAQA QINSYVEKET KGKVVVDVIQD LDSQTAMVLV NHIFFKANWT QPFSTANTNK SFPFLLSKGT TVHVPMMHQT ESFAFGVDKE LGCSILQMDY RGDVAFFVL PGKGKMRQLE KSLSARRLRK WSRSLQKRWI KVFIPKFSIS ASYNLETILP KMGIRDAFNS NADFSGITKT HFLQVSKAAH KAVLDVSEEG TAAAAATTTK LIVRSRDTPS SIAFKEPFL ILLDKNTES VLFLGKVENP RKMLEHHHHH H