

Serpina9, 26-418aa, Mouse, His-tag, Baculovirus

Cat.NO.: TP03897

3th Edition

Synonyms:Serpin A9 , Serpin A9, 2310014L03Rik, AW049635, Centerin

Description:Serpina9, also known as serpin A9, is a member of the Serpin superfamily of serine protease inhibitors. Serpins are the most broadly distributed superfamily of protease inhibitors that use a conformational change to inhibit target enzymes. They are known to inhibit serine proteases and some are known to inhibit caspases and papain-like cysteine proteases. Serpins are conformational labile and many of the disease-linked mutations of serpins result in misfolding or in pathogenic, inactive polymers. This protein shows inhibition towards trypsin, thrombin, and plasmin and binds DNA and heparin. Recombinant mouse Serpina9, 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:45.2kDa (401aa), 50-70KDa (SDS-PAGE under reducing conditions.)

Sequences:

NPYNQESSHLPSMKKNPASQVSPSNTRFSFLLYQRLAQENPGQNILFSPVSISTSLAMLSLGARSATKTQILRTLGF
NFTWVSEPTIHMGEYLVRSLNKCHQGRELRMGSVLFIRKELQLQATFLDRVKKLYGAKVSEDFSNAAATAQAQIN
SYVEKETKGVVDVIQDLDSQTAMVLVNHIFFKANWTQPFSTANTNKSFPFLLSKGTTVHVPMMHQTESFAFGVVK
ELGCSILQMDYRGDAVAFFVLPKGKMRQLEKSL SARRLRKWSRSLQKRWIKVFIPKFSISASYNLETILPKMGIRD
AFNSNADFSGITKTHFLQVSKAAHKAVLDVSEEGTEAAAATTTKLIVRSRDTPSSIIAFKEPFLILLDDKNTESVFLGK
VENPRKMLEHHHHHHH

Purity:> 95% by HPLC

Concentration:0.25mg/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.