Recombinant mouse Serpin F2/alpha 2-Antiplasmin protein

Catalog Number: ATGP3193

PRODUCT INFORMATION

Expression system
Baculovirus

Domain
28-491aa

UniProt No.
Q61247

NCBI Accession No.
NP_032904

Alternative Names
Serpinf2, AI747498, Pli, Serpimf2

PRODUCT SPECIFICATION

Molecular Weight
52.9 kDa (470aa)

Concentration
1mg/ml (determined by absorbance at 280nm)

Formulation
Liquid in. Phosphate-Buffered Saline (pH 7.4) containing 10% glycerol

Purity
> 90% by SDS-PAGE

Endotoxin level
< 1 EU per 1ug of protein (determined by LAL method)

Tag
His-Tag

Application
SDS-PAGE

Storage Condition
Can be stored at +2C to +8C for 1 week. For long term storage, aliquot and store at -20C to -80C. Avoid repeated freezing and thawing cycles.

BACKGROUND

Description
SERPINF2, also known as alpha-2-antiplasmin, is serine protease inhibitor. The major targets of this inhibitor are plasmin and trypsin, but it also inactivates matriptase-3/TMPRSS7 and chymotrypsin. Recombinant mouse SERPINF2, fused to His-tag at C-terminus, was expressed in insect cell and purified by using conventional chromatography techniques.

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Amino acid Sequence

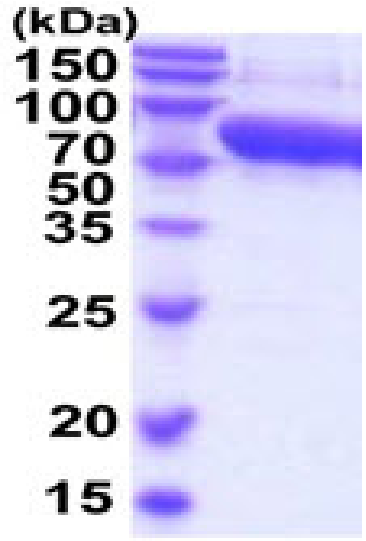
VDLPGQQPVS EQAQQKLPLP ALFKLDNQDF GDHATLKRSP GHCKSVPTAE ETRRLAQAMM AFTTDLFSLV AQTSTSSNLV LSPLSVALAL SHLALGAQNQ TLHSLHRVLH MNTGSCLPHL LSHFYQNLGP GTIRLAARIY LQKGFPIKDD FLEQSERLFG AKPVKLTGKQ EEDLANINQW VKEATEGKIE DFLSELPDST VLLLLNAIHF HGFWRTKFDP SLTQKDFFHL DERFTVSVDM MHAVSYPLRW FLLEQPEIQV AHFPFKNNMS FVVVMPTYFE WNVSEVLANL TWDTLYHPSL QERPTKVWLP KLHLQQQLDL VATLSQLGLQ ELFQGPDLRG ISEQNLVVSS VQHQSTMELS EAGVEAAAAT SVAMNRMSLS SFTVNRPFLF FIMEDTIGVP LFVGSVRNPN PSALPQLQEQ RDSPDNRLIG QNDKADFHGG KTFGPDLKLA PRMEEDYPQF SSPKHHHHHH

General References

Menoud P.-A. et al., (1995) J. Clin. Invest. 97:2478-2484.
Silverman G.A et al., (2001) J. Biol. Chem. 276:33293.

DATA

SDS-PAGE



15% SDS-PAGE (3ug)

3ug by SDS-PAGE under reducing condition and visualized by coomassie blue stain.