

Recombinant Mouse Serpina12, FLAG-tagged

Cat. No. Serpina12-2441M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant MouseSerpina12 produced inHEK 293 cells. Mature mouse vaspin (aa 21-413) is fused at the N-terminus to a FLAG-tag.
Species	Mouse
Source	HEK293
ProteinLength	21-413 a.a.
Description	Serpins are a group of proteins with similar structures that were first identified as a set of proteins able to inhibit proteases. The acronym serpin was originally coined because many serpins inhibit chymotrypsin-like serine proteases (serine protease inhibitors). The first members of the serpin superfamily to be extensively studied were the human plasma proteins antithrombin and antitrypsin, which play key roles in controlling blood coagulation and inflammation, respectively. Initially, research focused upon their role in human disease: antithrombin deficiency results in thrombosis and antitrypsin deficiency causes emphysema.
Concentration	0.5mg/ml.
Purity	≥90% (SDS-PAGE).
Formulation	Liquid. 0.2µm-filtered solution in PBS, pH 7.2.
Endotoxin Content	<0.1EU/g purified protein (LAL test).

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

Handling After reconstitution, prepare aliquots and store at -20°C. Avoid freeze/thaw cycles.

Storage And Stability Working aliquots are stable for up to 3 months when stored at -20°C.

GENE INFORMATION

Gene Name Serpina12 serine (or cysteine) peptidase inhibitor, clade A (alpha-1 antiproteinase, antitrypsin), member 12 [*Mus musculus*]

Synonyms Serpina12; serine (or cysteine) peptidase inhibitor, clade A (alpha-1 antiproteinase, antitrypsin), member 12; 4632419J12Rik

Gene ID 68054

mRNA Refseq NM_026535

Protein Refseq NP_080811

UniProt ID Q7TMF5

Chromosome Location 12 F1

Function molecular_function; peptidase inhibitor activity; serine-type endopeptidase inhibitor activity

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA