

Recombinant Full Length Mouse Serpina1e Protein, Flag-tagged

Cat. No. SERPINA1E-14919M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Full Length Mouse Serpina1e Protein (1-412 aa) with Flag tag was expressed in HEK293.
Species	Mouse
Source	HEK293
ProteinLength	1-412 aa
Description	Predicted to enable identical protein binding activity; protease binding activity; and serine-type endopeptidase inhibitor activity. Acts upstream of or within response to cytokine and response to peptide hormone. Predicted to be located in Golgi apparatus and endoplasmic reticulum. Predicted to be active in extracellular space. Is expressed in gut; liver lobe; metanephros; and nucleus pulposus. Human ortholog(s) of this gene implicated in several diseases, including alpha 1-antitrypsin deficiency; artery disease (multiple); chronic obstructive pulmonary disease (multiple); inflammatory bowel disease (multiple); and liver disease (multiple). Orthologous to human SERPINA1 (serpin family A member 1).
Tag	Flag
Molecular Mass	45.5kDa
Purity	≥ 90% by SDS-PAGE

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Notes	For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process.
Storage	Store it at -80 centigrade. It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles. Stable for at least 1 year from receipt of products under proper storage and handling conditions
Storage Buffer	PBS, pH 7.4, 10% glycerol
Concentration	0.26 mg/mL
GENE INFORMATION	
Gene Name	Serpina1e serine (or cysteine) peptidase inhibitor, clade A, member 1E [Mus musculus (house mouse)]
Official Symbol	Serpina1e
Synonyms	Serpina1e; serine (or cysteine) peptidase inhibitor, clade A, member 1E; PI5; Dom5; Spi1-5; alpha-1-antitrypsin 1-5 alpha-1 protease inhibitor 5 serine (or cysteine) proteinase inhibitor, clade A, member 1e serine protease inhibitor 1-5 serine protease inhibitor A1e serpin A1e
Gene ID	20704
mRNA Refseq	NM_009247
Protein Refseq	NP_033273
UniProt ID	Q00896

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