SERPINA1D Recombinant Protein

PRODUCT OVERVIEW

Product Name	Serpina1d, Recombinant Protein
Full Product Name	Serpina1d Protein, Mouse, Recombinant (His Tag)
Product Gene Name	SERPINA1D recombinant protein
Product Synonym Names	Mouse Alpha 1 Antitrypsin/SerpinA1a Protein (His Tag); AI118301 Protein, Mouse; Dom4 Protein, Mouse; PI4 Protein, Mouse; Serpin A1d Protein, Mouse; Spi1-4 Protein, Mouse; serine (or cysteine) peptidase inhibitor, clade A, member 1D
Sequence	Met1-Lys41 3
Host	HEK293 Cells
Form/Format	Lyophilized from sterile PBS, pH7.4. Normally 5%-8% trehalose, mannitol and 0.01% Tween80 are added as protectants before lyophilization. Please refer to the specific buffer information in the hard copy of CoA.
Purity/Purification	>95% as determined by SDS-PAGE
Preparation and Storage	Samples are stable for up to twelve months from date of receipt at -20 degree C to -80 degree C. Store it under sterile conditions at -20 degree C to -80 degree C. It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles. In general, recombinant proteins are provided as lyophilized powder which are shipped at ambient temperature. Bulk packages of recombinant proteins are provided as frozen liquid. They are shipped out with blue ice.
Molecular Weight	The recombinant mouse Serpina1a comprises 400 amino acids and has a predicted molecular mass of 44.9kDa. The apparent molecular mass of the protein is approximately 45-50kDa in SDS-PAGE under reducing conditions due to glycosylation.
Species	Mouse
Endotoxin	<1.0EU per ug of the protein as determined by the LAL method
Predicted N Terminal	Glu 25
Tag	C-His
Protein Construction	A DNA sequence encoding the mouse Serpina1a (XP_003945711.1)(Met1-Lys413) was expressed with a C-terminal polyhistidine tag.
Reconstitution	A hardcopy of COA with reconstitution instruction is sent along with the products. Please refer to it for detailed information.
Related Product Information for SERPINA1D recombinant protein	MBS8123190 is a recombinant protein targeting SERPINA1D. Also known as Serpina1d Protein, Mouse, Recombinant (His Tag). Host: HEK293 Cells.
Other Notes	Small volumes of SERPINA1D recombinant protein vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.



SDS-Page of SERPINA1D recombinant protein

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for SERPINA1D. It may not necessarily be applicable to this product.

NCBI Accession #	XP_003945711.1
Protein Family	Alpha-1-antitrypsin
Precautions	All of MyBioSource's Products are for scientific laboratory research purposes and are not for diagnostic, therapeutics, prophylactic or in vivo use. Through your purchase, you expressly represent and warrant to MyBioSource that you will properly test and use any Products purchased from MyBioSource in accordance with industry standards. MyBioSource and its authorized distributors reserve the right to refuse to process any order where we reasonably believe that the intended use will fall outside of our acceptable guidelines.
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