

Recombinant Mouse Sema3a protein, His-tagged

Cat. No. Sema3a-7022M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Mouse Sema3a(Lys26-Phe546) fused with His tag at N-terminal was expressed in HEK293.
Species	Mouse
Source	HEK293
ProteinLength	Lys26-Phe546
Description	Sema3a played an important role in many functions.
Predicted N Terminal	His
Form	Lyophilized from sterile 20 mM Tris, 150 mM NaCl, 100 mM Argine, 100 mM glutamic acid, pH 8.5. Normally 5 % - 8 % trehalose and mannitol are added as protectants before lyophilization. Specific concentrations are included in the hardcopy of COA. Please contact us for any concerns or special requirements.
Molecular Mass	The recombinant mouse SEMA3A consists 540 amino acids and predicts a molecular mass of 61.6 kDa.
Endotoxin	< 1.0 EU per µg protein as determined by the LAL method.
Purity	> 95 % as determined by SDS-PAGE.

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Stability	Samples are stable for up to twelve months from date of receipt at -70 centigrade
Storage	Store it under sterile conditions at -20 centigrade to -80 centigrade upon receiving. Recommend to aliquot the protein into smaller quantities for optimal storage. Avoid repeated freeze-thaw cycles.
Reconstitution	Detailed reconstitution instructions are sent along with the products.
Shipping	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 unless customers require otherwise.

GENE INFORMATION

Gene Name	Sema3a sema domain, immunoglobulin domain (Ig), short basic domain, secreted, (semaphorin) 3A [<i>Mus musculus</i>]
Official Symbol	Sema3a
Synonyms	SEMA3A; sema domain, immunoglobulin domain (Ig), short basic domain, secreted, (semaphorin) 3A; semaphorin-3A; sema D; sema III; collapsin-1; semaphorin-D; semaphorin III; SemD; SEMA1; Semad; coll-1; Hsema-I;
Gene ID	20346
mRNA Refseq	NM_001243072
Protein Refseq	NP_001230001
MIM	

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UniProt ID	O08665
Chromosome Location	5; 5 A1
Pathway	Axon guidance, organism-specific biosystem; Axon guidance, conserved biosystem; Axon guidance, organism-specific biosystem; CRMPs in Sema3A signaling, organism-specific biosystem; Developmental Biology, organism-specific biosystem; SEMA3A-Plexin repulsion signaling by inhibiting Integrin adhesion, organism-specific biosystem; Sema3A PAK dependent Axon repulsion, organism-specific biosystem;
Function	chemorepellent activity; receptor activity;

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