

Recombinant Mouse Sema3a protein(Lys26-Phe546), hFc-tagged

Cat. No. Sema3a-7021M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Mouse SEMA3A (O08665)(Lys 26-Phe 546) was expressed in HEK293, fused with the Fc region of Human IgG1 at the N-terminus.
Species	Mouse
Source	HEK293
ProteinLength	Lys26-Phe546
Form	Lyophilized from sterile PBS, pH 7.4. Normally 5 % - 8 % trehalose, mannitol and 0.01% Tween80 are added as protectants before lyophilization.
Molecular Mass	The recombinant mouse SEMA3A/Fc is a disulfide-linked homodimer The reduced monomer consists of 781 amino acids and has a predicted molecular mass of 87.7 kDa. In SDS-PAGE under reducing conditions, the apparent molecular mass of rm SEMA3A/Fc monomer is approximately 100 kDa due to glycosylation.
Endotoxin	< 1.0 EU per µg of the protein as determined by the LAL method
Purity	> 80 % as determined by SDS-PAGE
Storage	Samples are stable for up to twelve months from date of receipt at -20°C to -80°C. Store it under sterile conditions at -20°C to -80°C. It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.

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Reconstitution

It is recommended that sterile water be added to the vial to prepare a stock solution of 0.2 ug/ul. Centrifuge the vial at 4°C before opening to recover the entire contents.

GENE INFORMATION
Gene Name

Sema3a sema domain, immunoglobulin domain (Ig), short basic domain, secreted, (semaphorin) 3A [*Mus musculus*]

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](#)

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