

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

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

### SPECIFICATION

<b>Product Overview</b>	Recombinant Mouse SEMA3A (O08665)(Lys 26-Phe 546) was expressed in HEK293, fused with the Fc region of Human IgG1 at the N-terminus.
<b>Species</b>	Mouse
<b>Source</b>	HEK293
<b>ProteinLength</b>	Lys26-Phe546
<b>Form</b>	Lyophilized from sterile PBS, pH 7.4. Normally 5 % - 8 % trehalose, mannitol and 0.01% Tween80 are added as protectants before lyophilization.
<b>Molecular Mass</b>	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.
<b>Endotoxin</b>	< 1.0 EU per µg of the protein as determined by the LAL method
<b>Purity</b>	> 80 % as determined by SDS-PAGE
<b>Storage</b>	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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