

## Active Recombinant Mouse Sema3a Protein, Fc Chimera

Cat. No. Sema3a-908M Lot. No. (See product label)

### SPECIFICATION

<b>Product Overview</b>	Recombinant Mouse Sema3a (Accession # O08665), fused with , was produced in Chinese Hamster Ovary cell line, CHO-derived.
<b>Species</b>	Mouse
<b>Source</b>	CHO
<b>Predicted N Terminal</b>	Asn21
<b>Form</b>	Lyophilized from a 0.2 µ filtered solution in PBS with BSA as a carrier protein.
<b>Bio-activity</b>	Measured by its ability to cause collapse of chick embryonic dorsal root ganglia (DRG) neuron growth cones. 20-60 ng/mL of Recombinant Mouse Semaphorin 3A Fc Chimera causes >50% growth cone collapse in the presence 10 ng/mL Recombinant Human beta -NGF.
<b>Molecular Mass</b>	Recombinant Mouse Sema3a, Fc Chimera has a calculated MW of 110.1 kDa (monomer). In SDS-PAGE migrates as 115-120 kDa, reducing conditions.
<b>Purity</b>	>90%, by SDS-PAGE under reducing conditions and visualized by silver stain.
<b>Storage</b>	Avoid repeated freeze-thaw cycles. No activity loss was observed after storage at: In lyophilized state for 1 year (4°C); After reconstitution under sterile conditions for 3 months (-70°C).

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**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

**MIM**

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