

Active Recombinant Mouse Sema3a Protein, Fc Chimera

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

SPECIFICATION

Product Overview	Recombinant Mouse Sema3a (Accession # O08665), fused with , was produced in Chinese Hamster Ovary cell line, CHO-derived.
Species	Mouse
Source	CHO
Predicted N Terminal	Asn21
Form	Lyophilized from a 0.2 µ filtered solution in PBS with BSA as a carrier protein.
Bio-activity	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.
Molecular Mass	Recombinant Mouse Sema3a, Fc Chimera has a calculated MW of 110.1 kDa (monomer). In SDS-PAGE migrates as 115-120 kDa, reducing conditions.
Purity	>90%, by SDS-PAGE under reducing conditions and visualized by silver stain.
Storage	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).

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

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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