

Active Recombinant Mouse Sema6b Protein, Fc Chimera

Cat. No. Sema6b-987M Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant Mouse Sema6b (Accession # O54951), fused with , was produced in Human embryonic kidney cell, HEK293-derived.
Species	Mouse
Source	HEK293
Predicted N Terminal	Leu27
Form	Lyophilized from a 0.2 µ filtered solution in Tris, NaCl and Tween® 20.
Bio-activity	Measured by its ability to cause collapse of chick embryonic dorsal root ganglia (DRG) neuron growth cones. 5 µg/mL of Recombinant Mouse Semaphorin 6B Fc Chimera causes >50% growth cone collapse in the presence of 10 ng/mL of Recombinant Human beta -NGF.
Molecular Mass	Recombinant Mouse Sema6b, Fc Chimera has a calculated MW of 91 kDa (monomer). In SDS-PAGE migrates as 100-115 kDa, reducing conditions.
Purity	>95%, 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).

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GENE INFORMATION

Gene Name	Sema6b sema domain, transmembrane domain (TM), and cytoplasmic domain, (semaphorin) 6B [<i>Mus musculus</i>]
Official Symbol	Sema6b
Synonyms	SEMA6B; sema domain, transmembrane domain (TM), and cytoplasmic domain, (semaphorin) 6B; semaphorin-6B; sema N; sema VIB; semaphorin-N; semaphorin VIB; Vlb; Sema; Seman; semaZ; MGC143995; MGC143996;
Gene ID	20359
mRNA Refseq	NM_001130456
Protein Refseq	NP_001123928
MIM	

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