

Active Recombinant Mouse Sema5b, Fc Chimera

Cat. No. Sema5b-337M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Mouse Sema5b (Accession # AAH52397) was produced in Chinese Hamster Ovary cell line, CHO-derived.
Species	Mouse
Source	CHO
Predicted N Terminal	No results obtained, sequencing might be blocked: Gln27 is predicted
Form	Lyophilized from a 0.2 µ filtered solution in PBS.
Bio-activity	Measured by the ability of the immobilized protein to support the adhesion of human pancreatic cancer cells. When 5×10^4 cells/well are added to Recombinant Mouse Semaphorin 5B Fc Chimera coated plates, cell adhesion is enhanced in a dose dependent manner after 1 hour at 37 °C. The ED50 for this effect is typically 1.0 - 4.0 µg/mL.
Molecular Mass	Recombinant Mouse Sema5b, Fc Chimera has a calculated MW of 113.3 kDa (monomer). In SDS-PAGE migrates as 130-150 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).

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GENE INFORMATION

Gene Name	Sema5b sema domain, seven thrombospondin repeats (type 1 and type 1-like), transmembrane domain (TM) and short cytoplasmic domain, (semaphorin) 5B [Mus musculus (house mouse)]
Official Symbol	Sema5b
Synonyms	Sema5b; sema domain, seven thrombospondin repeats (type 1 and type 1-like), transmembrane domain (TM) and short cytoplasmic domain, (semaphorin) 5B; SemG; Semag; AI893641; mKIAA1445; semaphorin-5B; sema G; semaphorin 5B; semaphorin-G
Gene ID	20357
mRNA Refseq	NM_013661
Protein Refseq	NP_038689
MIM	
UniProt ID	Q60519
Chromosome Location	16; 16 B3

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