

Active Recombinant Human SEMA5B, Fc Chimera

Cat. No. SEMA5B-652H Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant Human SEMA5B (Accession # NP_001026872) was produced in Chinese Hamster Ovary cell line, CHO-derived.
Species	Human
Source	CHO
Predicted N Terminal	Val78
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 Human 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 0.7 - 2.8 µg/mL.
Molecular Mass	Recombinant Human SEMA5B, Fc Chimera has a calculated MW of 110.3 kDa (monomer). In SDS-PAGE migrates as 130-140 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	SEMA5B sema domain, seven thrombospondin repeats (type 1 and type 1-like), transmembrane domain (TM) and short cytoplasmic domain, (semaphorin) 5B [Homo sapiens]
Official Symbol	SEMA5B
Synonyms	SemG; SEMAG
Gene ID	54437
mRNA Refseq	NM_001256348.1
Protein Refseq	NP_001243277.1
MIM	609298
UniProt ID	Q9P283
Chromosome Location	3q21.1

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