



Recombinant Human Semaphorin-4D (SEMA4D), partial (Active)

Product Code	CSB-MP835707HUd9
Abbreviation	Recombinant Human SEMA4D protein, partial (Active)
Storage	The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself. Generally, the shelf life of liquid form is 6 months at -20°C/-80°C. The shelf life of lyophilized form is 12 months at -20°C/-80°C.
Uniprot No.	Q92854
Form	Lyophilized powder
Storage Buffer	Lyophilized from a 0.2 μm filtered PBS, 6% Trehalose, pH 7.4
Product Type	Recombinant Protein
Immunogen Species	Homo sapiens (Human)
Biological Activity	①Measured by its binding ability in a functional ELISA. Immobilized human SEMA4D at 2 μg/mL can bind biotinylated Pepinemab, the EC ₅₀ is 1.005-1.776 ng/mL. ②Measured by its binding ability in a functional ELISA. Immobilized human SEMA4D at 5 μg/mL can bind human PLXNB1 (CSB-MP018222HU2k6), the EC ₅₀ is 0.8179-1.357 μg/mL.
Purity	≥ 95% as determined by SDS-PAGE.
Sequence	MAFAPIPRITWEHREVHLVQFHEPDIYNYSALLLSEDKDTLYIGAREAVFAVNAL NISEKQHEVYWKVSEDKKAKCAEKGKSKQTECLNYIRVLQPLSATSPLYVCGTN AFQPACDHLNLTsfkflgknedgkgRCPFDPAHSYTSVMVDGELYSGTSYNF LGSEPIISRNSSHSPLRTEYAIPWLNESFVFADVIRKSPDSDGEDDRVYFFFT EVSVEYEFVFRVLIPRIARVCKGDQGLRTLQKKWTSFLKARLICSRPDSGLVF NVLRDVFLRSPGLKVPVfyALFTPQLNNVGLSAVCAYNLSTAEVFSHGKYM QSTTVEQSHTKWVRYNGPVPKPRPGACIDSEARAANYTSSLNLPDKTLQFVK DHPLMDDSVTPIDNRPRLIKDVDNYTQIVVDRTQALDGTVDYDVMFVSTDRGAL HKAISLEHAVHIIIEETQLFQDFEPVQTLSSKKNRFVYAGNSGVVQAPLAF CGKHGTCEDCVLARDPYCAWSPPTATCVALHQTESPSRGLIQEMSGDASVCP DKSKGSYRQHFFKHGGTAEKCSQKSNLARVFWKFQNGVLKAESPKYGLMG RKNLLIFNLSEGDsgvYQCLSEERVKNKTVFQVVAKHVLEVKVVPKPVVAPTL SVVQTEGSRIATKVLVASTQGSSPPTPAVQATSSGAILPCKPAPTGTSCPEKI VINTVPQLHSEKTMYLKSSDNR
Research Area	Immunology
Source	Mammalian cell
Target Names	SEMA4D
Expression Region	22-734aa
Notes	Repeated freezing and thawing is not recommended. Store working aliquots at



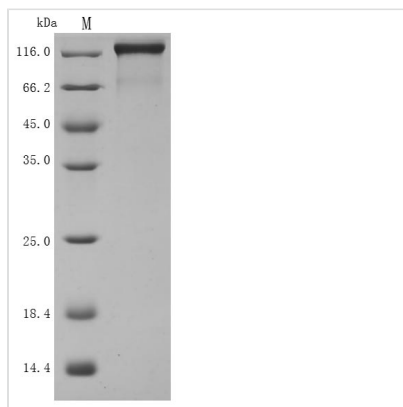
4°C for up to one week.

Tag Info C-terminal hFc1-tagged

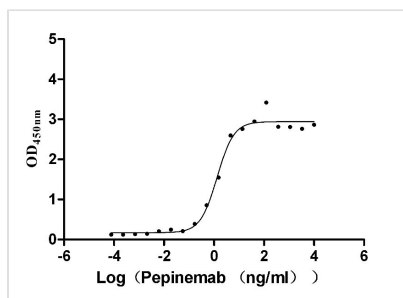
Mol. Weight 108.1 kDa

Protein Length Partial

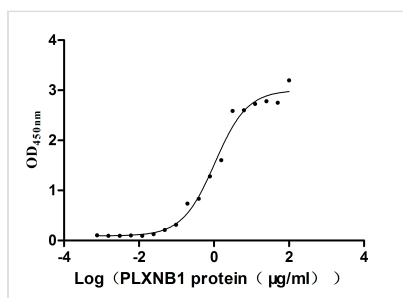
Image



(Tris-Glycine gel) Discontinuous SDS-PAGE (reduced) with 5% enrichment gel and 15% separation gel.



Activity
Measured by its binding ability in a functional ELISA. Immobilized human SEMA4D at 2 µg/ml can bind biotinylated Pepinemab, the EC₅₀ is 1.005-1.776 ng/mL.



Activity
Measured by its binding ability in a functional ELISA. Immobilized human SEMA4D at 5 µg/ml can bind human PLXNB1 (CSB-MP018222HU2k6), the EC₅₀ is 0.8179-1.357 µg/mL.

Endotoxin Less than 1.0 EU/ug as determined by LAL method.

Reconstitution We recommend that this vial be briefly centrifuged prior to opening to bring the contents to the bottom. Please reconstitute protein in deionized sterile water to a concentration of 0.1-1.0 mg/mL. We recommend to add 5-50% of glycerol (final concentration) and aliquot for long-term storage at -20°C/-80°C. Our default final concentration of glycerol is 50%. Customers could use it as reference.

Shelf Life The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself. Generally, the shelf life of liquid form is 6 months at -20°C/-80°C. The shelf life of lyophilized form is 12 months at -20°C/-80°C.