

Active Recombinant Human SEMA4A protein, His-tagged

Cat. No. SEMA4A-3926H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Active Recombinant Human SEMA4A protein(NP_071762.2) extracellular domain (Met 1-His 683) was expressed in HEK293, with a polyhistidine tag at the C-terminus.
Species	Human
Source	HEK293
ProteinLength	1-683 aa
Form	Lyophilized from sterile PBS, pH 7.4.
Bio-activity	Measured by its ability to bind biotinylated mouse SEMA4D in a functional ELISA.
Molecular Mass	The recombinant human SEMA4A consists of 663 amino acids and predicts a molecular mass of 73.4 kDa. In SDS-PAGE under reducing conditions, the apparent molecular mass of rh SEMA4A is approximately 75-80 kDa.
Endotoxin	< 1.0 EU per µg of the protein as determined by the LAL method.
Purity	> 96 % as determined by SDS-PAGE
Storage	Store it under sterile conditions at -20°C to -80°C upon receiving. Recommend to aliquot the protein into smaller quantities for optimal storage. Avoid repeated freeze-thaw cycles.

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Reconstitution

It is recommended that sterile water be added to the vial to prepare a stock solution of 0.2 ug/ul. Centrifuge the vial at 4°C before opening to recover the entire contents.

GENE INFORMATION
Gene Name

SEMA4A sema domain, immunoglobulin domain (Ig), transmembrane domain (TM) and short cytoplasmic domain, (semaphorin) 4A [Homo sapiens]

Official Symbol

SEMA4A

Synonyms

SEMA4A; sema domain, immunoglobulin domain (Ig), transmembrane domain (TM) and short cytoplasmic domain, (semaphorin) 4A; SEMAB; semaphorin-4A; FLJ12287; SemB; sema B; semaphorin-B; RP35; SEMB; CORD10; RP11-54H19.2;

Gene ID

64218

mRNA Refseq

NM_001193300

Protein Refseq

NP_001180229

MIM

607292

UniProt ID

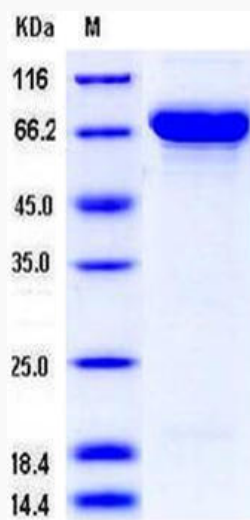
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SDS-PAGE



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