

## Active Recombinant Human SEMA4A protein, His-tagged

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

### SPECIFICATION

|                         |                                                                                                                                                                                                                 |
|-------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b> | 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.                                                  |
| <b>Species</b>          | Human                                                                                                                                                                                                           |
| <b>Source</b>           | HEK293                                                                                                                                                                                                          |
| <b>ProteinLength</b>    | 1-683 aa                                                                                                                                                                                                        |
| <b>Form</b>             | Lyophilized from sterile PBS, pH 7.4.                                                                                                                                                                           |
| <b>Bio-activity</b>     | Measured by its ability to bind biotinylated mouse SEMA4D in a functional ELISA.                                                                                                                                |
| <b>Molecular Mass</b>   | 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. |
| <b>Endotoxin</b>        | < 1.0 EU per µg of the protein as determined by the LAL method.                                                                                                                                                 |
| <b>Purity</b>           | > 96 % as determined by SDS-PAGE                                                                                                                                                                                |
| <b>Storage</b>          | 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**

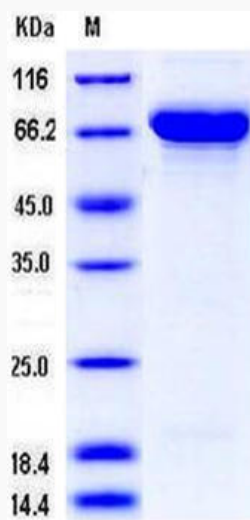
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SDS-PAGE



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