# Active Recombinant Human SEMA4A protein, hFc-tagged

**Cat. No.** SEMA4A-3925H **Lot. No.** (See product label)

## SPECIFICATION

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| **Product Overview** | Active Recombinant Human SEMA4A protein(NP_071762.2)(Met 1-His 683) was expressed in HEK293, fused with the Fc region of human IgG1 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 mouse SEMA4D in a functional ELISA. |
| **Molecular Mass** | The secreted recombinant human SEMA4A/Fc chimera is a disulfide-linked homodimer. The reduced monomer consists of 893 amino acids and predictes a molecular mass of 99 kDa. In SDS-PAGE under reducing conditions, the apparent molecular mass of rh SEMA4A/Fc monomer is approximately 110 kDa due to glycosylation. |
| **Endotoxin** | < 1.0 EU per μg of the protein as determined by the LAL method. |
| **Purity** | > 90 % 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- |

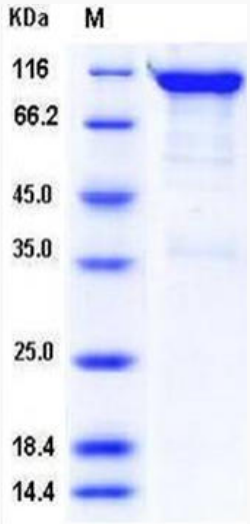
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| | thaw cycles. |
| **Reconstitution** | It is recommended that sterile water be added to the vial to prepare a stock solution of 0.2 ug/ul. Centrifuge the vial at 4°C before opening to recover the entire contents. |

## GENE INFORMATION

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| **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** | Q9H3S1 |

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| **SDS-PAGE** |  |



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