

## Active Recombinant Human SEMA3A protein, Fc-tagged

Cat. No. SEMA3A-14H Lot. No. (See product label)

### SPECIFICATION

<b>Product Overview</b>	Recombinant Human SEMA3A protein(Lys 26 - Val 771), fused with Fc tag, was expressed in HEK293.
<b>Species</b>	Human
<b>Source</b>	HEK293
<b>ProteinLength</b>	Lys 26 - Val 771
<b>Form</b>	Lyophilized from 0.22 µm filtered solution in PBS, pH7.4, 10% trehalose.
<b>Bio-activity</b>	Immobilized Human Neuropilin-1, His Tag at 5 µg/mL (100 µL/well) can bind Human Semaphorin 3A, Fc Tag with a linear range of 2-78 ng/mL. Immobilized Biotinylated Human Neuropilin-1, His,Avitag at 1 µg/mL (100 µL/well) on streptavidin precoated (0.5 µg/well) plate can bind Human Semaphorin 3A, Fc Tag with a linear range of 0.6-20 ng/mL.
<b>Molecular Mass</b>	Molecular CharacterizationThis protein carries a human IgG1 Fc tag at the N-terminus.The protein has a calculated MW of 111.8 kDa. The protein migrates as 120-135 kDa under reducing (R) condition (SDS-PAGE) due to glycosylation.
<b>Endotoxin</b>	Less than 1.0 EU per µg by the LAL method.
<b>Purity</b>	>95% as determined by SDS-PAGE. >90% as determined by SEC-MALS.

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**Storage** For long term, the product should be stored at lyophilized state at -20°C or lower. Please avoid repeated freeze-thaw cycles. This product is stable after at: -20°C to -70°C for 12 months in lyophilized state; -70°C for 3 months under sterile conditions after reconstitution.

**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** [SEMA3A sema domain, immunoglobulin domain \(Ig\), short basic domain, secreted, \(semaphorin\) 3A \[ Homo sapiens \]](#)

**Official Symbol** [SEMA3A](#)

**Synonyms** SEMA3A; sema domain, immunoglobulin domain (Ig), short basic domain, secreted, (semaphorin) 3A; SEMAD; semaphorin-3A; coll 1; Hsema I; sema III; SEMA1; SemD; collapsin 1; semaphorin D; semaphorin L; semaphorin III; SEMAL; coll-1; Hsema-I; SEMAIII; Hsema-III; MGC133243;

**Gene ID** [10371](#)

**mRNA Refseq** [NM\\_006080](#)

**Protein Refseq** [NP\\_006071](#)

**MIM** [603961](#)

**UniProt ID** [Q14563](#)

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