

Recombinant Human SEMA5A protein, hFc-tagged

Cat. No. SEMA5A-3894H Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant Human SEMA5A protein(NP_003957.2)(Met1-Thr765), fused with hFc tag, was expressed in HEK293.
Species	Human
Source	HEK293
ProteinLength	Met1-Thr765
Form	Lyophilized from sterile PBS, pH 7.4Please contact us for any concerns or special requirements. Normally 5 % - 8 % trehalose, mannitol and 0.01% Tween80 are added as protectants before lyophilization. Please refer to the specific buffer information in the hard copy of CoA.
Molecular Mass	The recombinant human SEMA5A (aa 1-765)/Fc is a disulfide-linked homodimer. The reduced monomer consists of 984 amino acids and predicts a molecular mass of 110.7 kDa. In SDS-PAGE under reducing conditions, the apparent molecular mass of rh SEMA5A/Fc monomer is approximately 125-135 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	Samples are stable for up to twelve months from date of receipt at -20°C to -80°C Store it under sterile conditions at -20°C to -80°C. It is recommended that the protein

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be aliquoted for optimal storage. Avoid repeated freeze-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

Gene Name	SEMA5A sema domain, seven thrombospondin repeats (type 1 and type 1-like), transmembrane domain (TM) and short cytoplasmic domain, (semaphorin) 5A [Homo sapiens]
Official Symbol	SEMA5A
Synonyms	SEMA5A; sema domain, seven thrombospondin repeats (type 1 and type 1-like), transmembrane domain (TM) and short cytoplasmic domain, (semaphorin) 5A; SEMAF; semaphorin-5A; semF; sema F; semaphorin F; semaphorin-F; FLJ12815;
Gene ID	9037
mRNA Refseq	NM_003966
Protein Refseq	NP_003957
MIM	609297
UniProt ID	Q13591

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