

Recombinant Human Semaphorin-5A/SEMA5A Protein

Catalog No.: RP01093 **Recombinant**

Sequence Information

Species	Gene ID	Swiss Prot
Human	9037	Q13591

Tags

C-His

Synonyms

SEMA5A;SEMAF;semF

Product Information

Source	Purification
HEK293 cells	> 95% by SDS-PAGE.

Calculated MW **Observed MW**

Endotoxin

< 1.0 EU/μg of the protein by LAL method.

Formulation

Lyophilized from a 0.22 μm filtered solution of 20mM PB, 150mM NaCl, 0.1mM EDTA, 0.05% Tween 20, pH 7.2. Contact us for customized product form or formulation.

Reconstitution

Centrifuge the tube before opening. Reconstitute to a concentration of 0.1-0.5 mg/mL in sterile distilled water. Avoid vortex or vigorously pipetting the protein. For long term storage, it is recommended to add a carrier protein or stabilizer (e.g. 0.1% BSA, 5% HSA, 10% FBS or 5% Trehalose), and aliquot the reconstituted protein solution to minimize free-thaw cycles.

Contact

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Background

This protein is a mbrane protein containing a semaphorin domain and several thrombospondin type-1 repeats. Members of this family are involved in axonal guidance during neural development. This gene has been implicated as an autism susceptibility gene.

Basic Information

Description

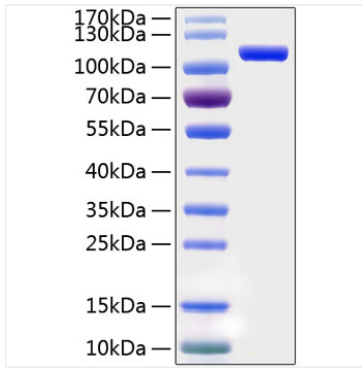
Recombinant Human Semaphorin-5A/SEMA5A Protein is produced by Mammalian expression system. The target protein is expressed with sequence (Glu23-Thr765) of human Semaphorin-5A (Accession #Q13591) fused with a 6×His tag at the C-terminus.

Bio-Activity

Storage

Store the lyophilized protein at -20°C to -80 °C for long term. After reconstitution, the protein solution is stable at -20 °C for 3 months, at 2-8 °C for up to 1 week. Avoid repeated freeze/thaw cycles.

Validation Data



Recombinant Human Semaphorin-5A/SEMA5A Protein was determined by SDS-PAGE with Coomassie Blue, showing a band at 100 kDa.