

Recombinant Human Semaphorin-5A/SEMA5A Protein

Catalog No.: RP01093

Sequence Information

Species	Gene ID
Human	9037
Swiss Prot	Tags
Q13591	C-His

Synonyms

SEMA5A,SEMAF,semF

Product Information

Source	Purification
HEK293 cells	≥ 95 % as determined by SDS-PAGE.

Calculated MW Observed MW

84.71 kDa 100 kDa

Endotoxin

< 1 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.

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.

Activity

Shipping

Lyophilized proteins are shipped at ambient temperature.
Liquid proteins are shipped at frozen temperature with dry ice.
Upon receipt, store it immediately at the temperature recommended below.

Storage

Store at -20°C

Operational Notes

For your safety and health, please wear a lab coat and disposable gloves for handling.

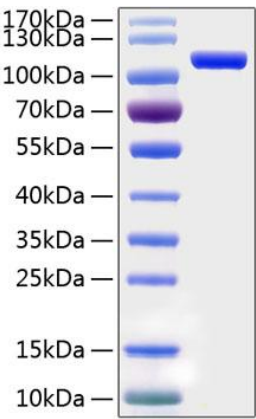
Contact

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Validation Data



Recombinant Human Semaphorin-5A/SEMA5A Protein was determined by SDS-PAGE under reducing conditions with Coomassie Blue.