

Recombinant Human Semaphorin-6A/SEMA6A Protein

Catalog No.: RP01850

Sequence Information

Species **Gene ID**
Human 57556

Swiss Prot **Tags**
Q9H2E6-1 C-His

Synonyms

Semaphorin-6A, Semaphorin VIA, Sema VIA, Semaphorin-6A-1, SEMA6A-1, SEMA6A, KIAA1368, SEMAQ

Product Information

Source **Purification**
HEK293 cells ≥ 90% as determined by SDS-PAGE.

Calculated MW **Observed MW**
73.68 kDa 95-110 kDa

Endotoxin

< 0.01 EU/μg of the protein by LAL method

Formulation

Lyophilized from a 0.22 μm filtered solution of PBS, pH 7.4.

Reconstitution

Centrifuge the vial 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

The transmembrane semaphorin SEMA6A is expressed in developing neural tissue and is required for proper development of the thalamocortical projection. Cell surface receptor for PLXNA2 that plays an important role in cell-cell signaling. Required for normal granule cell migration in the developing cerebellum. Promotes reorganization of the actin cytoskeleton and plays an important role in axon guidance in the developing central nervous system. Can act as repulsive axon guidance cue. Has repulsive action towards migrating granular neurons. May play a role in channeling sympathetic axons into the sympathetic chains and controlling the temporal sequence of sympathetic target innervation.

Basic Information

Description

Recombinant Human Semaphorin-6A/SEMA6A Protein is produced by HEK293 cells expression system. The target protein is expressed with sequence (Met1-Thr649) of Human Semaphorin-6A/SEMA6A (Accession #NP_065847.1) fused with a 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.

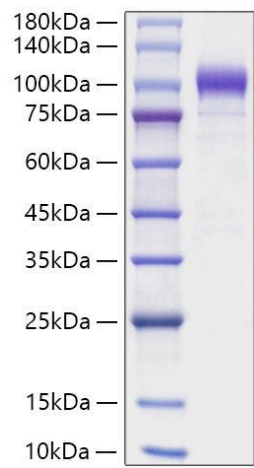
Contact

☎ | 400-999-6126

✉ | cn.market@abclonal.com.cn

🌐 | www.abclonal.com.cn

Validation Data



Recombinant Human Semaphorin-6A/SEMA6A Protein was determined by SDS-PAGE under reducing conditions with Coomassie Blue.