

Biotinylated Recombinant Human Semaphorin-4D/SEMA4D/CD100 Protein

Catalog No.: RP02566B Recombinant

Sequence Information

Species Gene ID Swiss Prot Human 10507 Q92854-1

Tags

C-His&Avi

Synonyms

Semaphorin-4D; CD100; SEMA4D; C9orf164; FLJ33485; FLJ34282; FLJ39737; FLJ46484; M-sema-G; MGC169138; MGC169141; SEMAJ; coll-4

Product Information

Source	Purification
Source	Purification

HEK293 cells ≥ 95 % as determined by Tris-Bis PAGE;≥ 95 % as determined by

HPLC.

Calculated MW Observed MW

82.1 kDa 115-140 kDa

Endotoxin

< 1 EU/ μg of the protein by LAL method.

Formulation

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

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 stablizer (e.g. 0.1% BSA, 5% HSA, 10% FBS or 5% Trehalose), and aliquot the reconstituted protein solution to minimize free-thaw cycles.

Contact

a	400-999-6126
\bowtie	cn.market@abclonal.com.cn
<u> </u>	www.abclonal.com.cn

Background

Semaphorin 4D (Sema4D) is a multifunctional protein widely expressed in an organism that plays an important role in the control of many physiological and pathological processes, including immunoregulation, neurogenesis, angiogenesis, and tumor progression.

Basic Information

Description

Biotinylated Recombinant Human Semaphorin-4D/SEMA4D/CD100 Protein is produced by Expi293 expression system. The target protein is expressed with sequence (Met22-Arg734) of Human SEMA4D fused with a His and Avi tag at the C-terminal.

Bio-Activity

Shipping

The product is shipped at ambient temperature. Upon receipt, store it immediately at the temperature recommended below.

Storage

Store at -20°C. Store the lyophilized protein at -20°C to -80°C up to 1 year from the date of receipt.

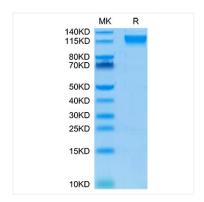
After reconstitution, the protein solution is stable at -20 $^{\circ}$ C for 3 months, at 2-8 $^{\circ}$ C for up to 1 week.

Avoid repeated freeze/thaw cycles.

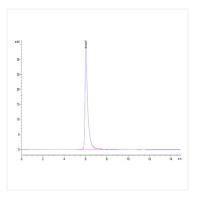
Operational Notes

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

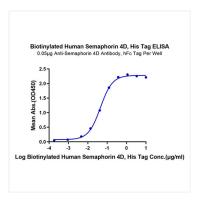
Validation Data



Biotinylated Recombinant Human Semaphorin-4D/SEMA4D/CD100 Protein was determined by Tris-Bis PAGE under reducing conditions.



The purity of Biotinylated Human Semaphorin 4D is greater than 95% as determined by SEC-HPLC.



Immobilized Anti-Semaphorin 4D Antibody, hFc Tag at $0.5\mu g/ml$ ($100\mu l/Well$) on the plate. Dose response curve for Biotinylated Human Semaphorin 4D, His Tag with the EC₅₀ of 44.8ng/ml determined by ELISA.