

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

Catalog No.: RP02566 **Recombinant** **1 Publications**

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; SEMA; coll-4

Product Information

Source

HEK293 cells

Purification

> 95% as determined by Tris-Bis PAGE > 95% as determined by HPLC

Endotoxin

Less than 1EU per µg by the LAL method.

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.

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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

Recombinant Biotinylated Human Semaphorin 4D/SEMA4D/CD100 Protein is expressed from Expi293 with His tag and Avi tag at the C-terminal. It contains Met22-Arg734.

Bio-Activity

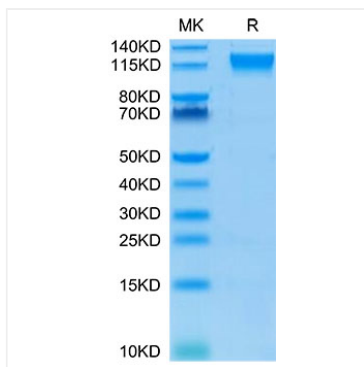
Storage

Store the lyophilized protein at -20°C to -80°C for long term.

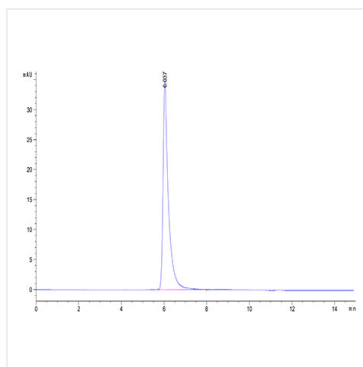
After reconstitution, the protein solution is stable at -20°C for 3 months, at 2-8°C for up to 1 week.

Avoid repeated freeze/thaw cycles.

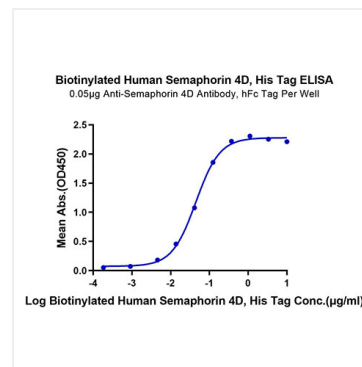
Validation Data



Biotinylated Human Semaphorin 4D on Tris-Bis PAGE under reduced condition. The purity is greater than 95%.



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



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