

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; SEMA; coll-4

Product Information

Source	Purification
HEK293 cells	> 95% by Tris-Bis PAGE;> 95% by SEC-HPLC

Calculated MW **Observed MW**

Endotoxin

< 1 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 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 freeze-thaw cycles.

Contact

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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

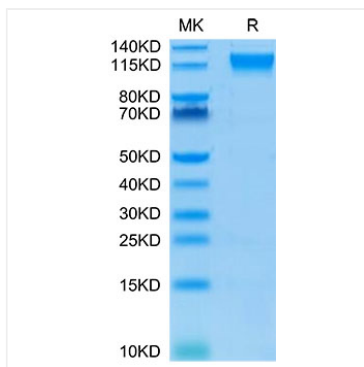
Biotinylated Recombinant Human Semaphorin-4D/SEMA4D/CD100 Protein is produced by Expi293 expression system. The target protein is expressed with sequence (Met22-Arg734) of Human SEMA4D fused with a His and Avi tag at the C-terminal.

Bio-Activity

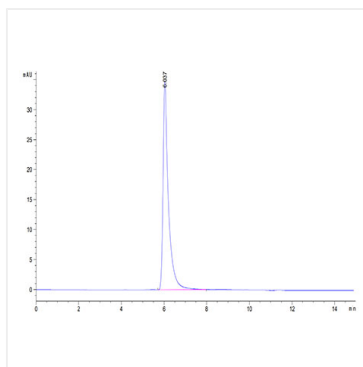
Storage

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°C for 3 months, at 2-8°C for up to 1 week. Avoid repeated freeze/thaw cycles.

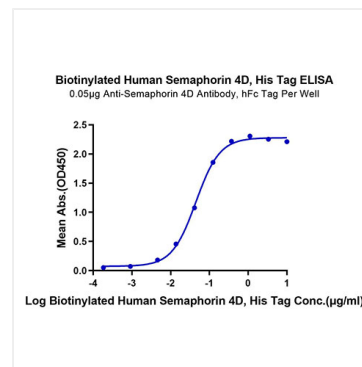
Validation Data



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.