

**Catalog No.: RP02566B** **Recombinant**

Species	Gene ID	Swiss Prot
Human	10507	O92854-1

## C-His&amp;Avi

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

<b>Source</b> HEK293 cells	<b>Purification</b> ≥ 95 % as determined by Tris- Bis PAGE; ≥ 95 % as determined by HPLC.
-------------------------------	--

## 82.1 kDa 115-140 kDa

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

Lyophilized from a 0.22  $\mu\text{m}$  filtered solution of PBS, pH 7.4.

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.

 | 400-999-6126

 | [cn.market@abclonal.com.cn](mailto:cn.market@abclonal.com.cn)

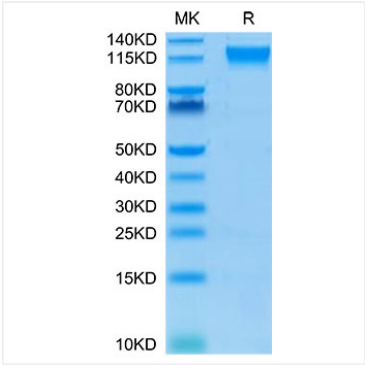
 | [www.abclonal.com.cn](http://www.abclonal.com.cn)

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.

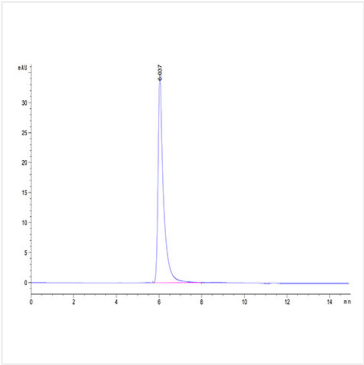
Biotinylated Recombinant Human Semaphorin-4D/SEMA4D/CD100 Protein is produced by Expi293 expression system. The target protein is expressed with sequence (Met22-Arg734) of Human SEMA4D fused with a His and Avi tag at the C-terminal.

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.

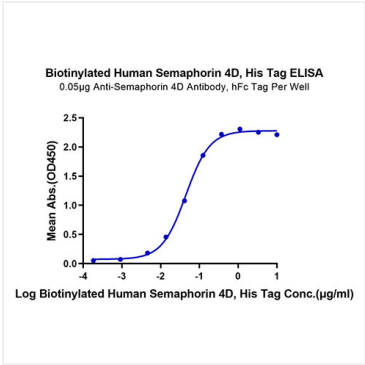
Validation Data



Biotinylated 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 0.5µg/ml (100µl/Well) on the plate. Dose response curve for Biotinylated Human Semaphorin 4D, His Tag with the EC<sub>50</sub> of 44.8ng/ml determined by ELISA.