

Semaphorin 4D/SEMA4D/CD100 Recombinant Protein | SEMA4D/CD100 recombinant protein

Biotinylated Human Semaphorin 4D/SEMA4D/CD100 Protein Recombinant

CATALOG #	HOST
AAA76152	HEK293 cells (Note: Host protein expression may be lot-specific and can be subject to change during production, including bulk orders.)

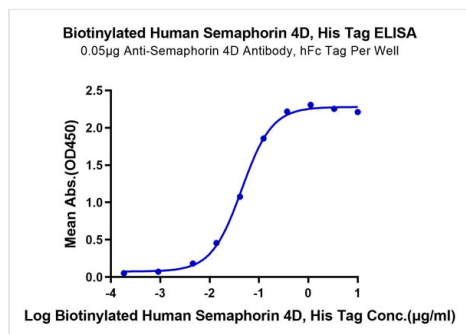
PRODUCT SYNONYMS

Semaphorin 4D/SEMA4D/CD100; Biotinylated Human Semaphorin 4D/SEMA4D/CD100 Protein Recombinant; SEMA4D/CD100 recombinant protein

PRODUCT SPECIFICATIONS

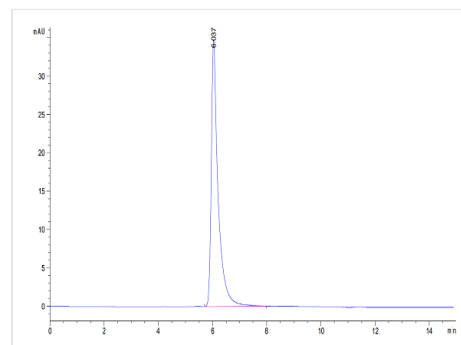
Host	HEK293 cells (Note: Host protein expression may be lot-specific and can be subject to change during production, including bulk orders.)
Purity/Purification	>95%, as determined by SDS-PAGE and HPLC
Form/Format	Recombinant Human Semaphorin 4D/SEMA4D/CD100 was lyophilized from 0.2 um filtered PBS solution pH7.4
Source	DNA sequence encoding Human Semaphorin 4D/SEMA4D/CD100 including a C-His-Avi tag was expressed in HEK293 Cells. The recombinant protein was then biotinylated site specific using the AVitag biotinylation technology.
Endotoxin	Endotoxin content was assayed using a LAL gel clot method. Endotoxin level was found to be less than 0.1 ng/ug (1EU/ug).
Reconstitution	Centrifuge vial to ensure maximal product extraction, recommended: 20sec, 5K RPM
Preparation and Storage	The lyophilized protein is stable for at least 2 years from date of receipt at -20 degree C.

IMAGES



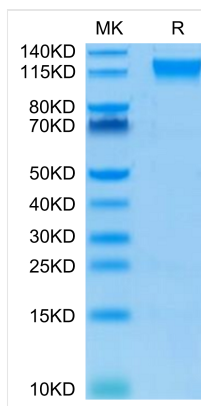
ELISA

Biotinylated Human Semaphorin 4D/SEMA4D/CD100 Protein ELISA Data: Immobilized Anti-Semaphorin 4D Antibody, hFc Tag at 0.5 µg/ml (100 µl/Well) on the plate. Dose response curve for Biotinylated Human Semaphorin 4D, His Tag with the EC₅₀ of 44.8 ng/ml determined by ELISA.



Application Data

Biotinylated Human Semaphorin 4D/SEMA4D/CD100 Protein SEC-HPLC: Purity of Biotinylated Human Semaphorin 4D is greater than 95% as determined by SEC-HPLC.



Tris-Bis-PAGE

Biotinylated Human Semaphorin 4D/SEMA4D/CD100 Protein Tris-Bis PAGE
 Human Semaphorin 4D on Tris-Bis PAGE under reduced condition. The purity is greater than 95%.

ADDITIONAL INFORMATION

Product Categories/Family for SEMA4D/CD100 recombinant protein	Biotinylated proteins
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NCBI AND UNIPROT INFORMATION

NCBI GI #	214010218
NCBI GeneID	10507
NCBI Accession #	NP_006369.3
NCBI GenBank Nucleotide #	NM_006378.3
UniProt Accession #	Q92854; O43157 PLXB1_HUMAN; P01730 CD4_HUMAN
Molecular Weight	96,150 Da
NCBI Official Full Name	semaphorin-4D isoform 1
NCBI Official Synonym Full Names	sema domain, immunoglobulin domain (Ig), transmembrane domain (TM) and short cytoplasmic domain, (semaphorin) 4D
NCBI Official Symbol	SEMA4D
NCBI Official Synonym Symbols	CD100; SEMAJ; coll-4; C9orf164; M-sema-G
NCBI Protein Information	semaphorin-4D; A8; GR3; BB18; sema domain, immunoglobulin domain (Ig), transmembrane domain (TM) and short cytoplasmic domain, 4D
UniProt Protein Name	Semaphorin-4D
UniProt Gene Name	SEMA4D
UniProt Synonym Gene Names	C9orf164; CD100; SEMAJ
UniProt Entry Name	SEM4D_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com
 Online datasheet: <https://stage.aaabiotech.com/sema4d-recombinant-protein-hek293-cells/76152>