

Recombinant Human SEMA4D Protein, Met22-Arg734, C-His-Avi tagged, Biotinylated

Cat. No. SEMA4D-217H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant human Semaphorin 4D/SEMA4D/CD100-C-His-Avi protein was developed from HEK293 and has a target region of C-His-Avi.
Species	Human
Source	HEK293
ProteinLength	Met22-Arg734
Description	Enables identical protein binding activity; semaphorin receptor binding activity; and transmembrane signaling receptor activity. Involved in several processes, including positive regulation of phosphatidylinositol 3-kinase signaling; regulation of neuron projection development; and regulation of phosphate metabolic process. Is integral component of plasma membrane.
Conjugation/Label	Biotin
Form	Lyophilised
Endotoxin	Endotoxin level was found to be less than 0.1 ng/μg (1 EU/μg).
Notes	FOR RESEARCH USE ONLY (RUO).
Storage	The lyophilized protein is stable for at least 1 year from date of receipt at -20

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centigrade.

Storage Buffer

Lyophilised from 0.2 µm filtered PBS solution pH 7.4. Upon receipt centrifuge vial to ensure maximal product extraction, recommended: 20 sec, 5K RPM

Conjugation

Biotin

GENE INFORMATION

Gene Name

SEMA4D sema domain, immunoglobulin domain (Ig), transmembrane domain (TM) and short cytoplasmic domain, (semaphorin) 4D [Homo sapiens (human)]

Official Symbol

SEMA4D

Synonyms

SEMA4D; sema domain, immunoglobulin domain (Ig), transmembrane domain (TM) and short cytoplasmic domain, (semaphorin) 4D; C9orf164, chromosome 9 open reading frame 164, SEMAJ; semaphorin-4D; CD100; coll 4; FLJ39737; M sema G; A8; GR3; BB18; sema domain, immunoglobulin domain (Ig), transmembrane domain (TM) and short cytoplasmic domain, 4D; SEMAJ; coll-4; C9orf164; M-sema-G; FLJ33485; FLJ34282; FLJ46484; MGC169138; MGC169141;

Gene ID

10507

mRNA Refseq

NM_001142287

Protein Refseq

NP_001135759

MIM

601866

UniProt ID

Q92854

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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 0.5 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.

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