

Active Recombinant Mouse Sema4d protein, His-tagged

Cat. No. Sema4d-4066M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Mouse Sema4d protein(NP_038688.2)(Met1-Arg733), fused with His tag, was expressed in HEK293.
Species	Mouse
Source	HEK293
ProteinLength	Met1-Arg733
Form	Lyophilized from sterile PBS, pH 7.4Please contact us for any concerns or special requirements. Normally 5 % - 8 % trehalose, mannitol and 0.01% Tween80 are added as protectants before lyophilization. Please refer to the specific buffer information in the hard copy of CoA.
Bio-activity	Measured by its ability to bind human SEMA4A in a functional ELISA.
Molecular Mass	The secreted recombinant mouse SEMA4D comprises 721 amino acids and has a calculated molecular mass of 80.2 kDa. As a result of glycosylation, the recombinant protein migrates as an approximately 100-110 kDa band in SDS-PAGE under reducing conditions.
Endotoxin	< 1.0 EU per µg of the protein as determined by the LAL method
Purity	> 96 % as determined by SDS-PAGE

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Storage Samples are stable for up to twelve months from date of receipt at -20°C to -80°C
Store it under sterile conditions at -20°C to -80°C. It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.

Reconstitution It is recommended that sterile water be added to the vial to prepare a stock solution of 0.2 ug/ul. Centrifuge the vial at 4°C before opening to recover the entire contents.

GENE INFORMATION

Gene Name [Sema4d sema domain, immunoglobulin domain \(Ig\), transmembrane domain \(TM\) and short cytoplasmic domain, \(semaphorin\) 4D \[Mus musculus \]](#)

Official Symbol [Sema4d](#)

Synonyms SEMA4D; sema domain, immunoglobulin domain (Ig), transmembrane domain (TM) and short cytoplasmic domain, (semaphorin) 4D; semaphorin-4D; sema J; M-sema G; semaphorin H; semaphorin-J; semaphorin-C-like 2; CD100; Semaj; Semcl2; coll-4; Semacl2;

Gene ID [20354](#)

mRNA Refseq [NM_013660](#)

Protein Refseq [NP_038688](#)

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