

Recombinant Rat Sema4d protein(Met1-Met712), hFc-tagged

Cat. No. Sema4d-8771R **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Rat SEMA4D (NP_001164034.1)(Met1-Met712) was expressed in HEK293 with the Fc region of Human IgG1 at the C-terminus.
Species	Rat
Source	HEK293
ProteinLength	Met1-Met712
Form	Lyophilized from sterile PBS, pH 7.4. Normally 5 % - 8 % trehalose, mannitol and 0.01% Tween80 are added as protectants before lyophilization.
Molecular Mass	The recombinant rat SEMA4D/Fc is a disulfide-linked homodimer. The reduced monomer comprises 930 amino acids and has a predicted molecular mass of 103.4 kDa. The apparent molecular mass of the protein is approximately 118 kDa in SDS-PAGE under reducing conditions.
Endotoxin	< 1.0 EU per µg of the protein as determined by the LAL method.
Purity	> 95 % as determined by SDS-PAGE
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.

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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 [*Rattus norvegicus*]

Official Symbol

[Sema4d](#)

Synonyms

SEMA4D; sema domain, immunoglobulin domain (Ig), transmembrane domain (TM) and short cytoplasmic domain, (semaphorin) 4D;

Gene ID

[306790](#)

mRNA Refseq

[NM_001170563](#)

Protein Refseq

[NP_001164034](#)

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