

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

Cat. No. Sema4d-8772R **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Rat SEMA4D (NP_001164034.1)(Met1-Met712) was expressed in HEK293, fused with a polyhistidine tag 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 comprises 700 amino acids and predicts a molecular mass of 77.8 kDa. The apparent molecular mass of the recombinant protein is approximately 96 kDa in SDS-PAGE under reducing conditions due to glycosylation.
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.
Reconstitution	It is recommended that sterile water be added to the vial to prepare a stock solution of

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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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