

---

## Product Datasheet

### Recombinant Mouse Semaphorin-4D(Sema4d), partial (Active) (orb1095884)

**Description**

Recombinant Mouse Semaphorin-4D(Sema4d),partial (Active)

**Endotoxins**

Less than 1.0 EU/ug as determined by LAL method.

**Preservatives**

Lyophilized from a 0.2 µm filtered PBS, 6% Trehalose, pH 7.4

**Form/Appearance**

Lyophilized powder

**Storage**

The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself. Generally, the shelf life of liquid form is 6 months at -20°C/-80°C. The shelf life of lyophilized form is 12 months at -20°C/-80°C.

**Tag**

C-terminal mFc-tagged

**Note**

For research use only

**Application notes**

We recommend that this vial be briefly centrifuged prior to opening to bring the contents to the bottom. Please reconstitute protein in deionized sterile water to a concentration of 0.1-1.0 mg/mL. We recommend to add 5-50% of glycerol (final concentration) and aliquot for long-term storage at -20°C/-80°C. Our default final concentration of glycerol is 50%. Customers could use it as reference.

**Protein Sequence**

FAPVPRLTWEHGEVGLVQFHKPGIFNYSALLMSEDKDTLYVGAREAVFAVNALNI  
SEKQHEVYWKVSEDKKSKCAEKGKSKQTECLNYIRVLQPLSSTSLYVCGTNAFQ  
PTCDHLNLTFSKFLGKSEDGKGRCPDPAHSYTSVMVGGELYSGTSYNFLGSEPI  
ISRNSSHSPLRTEYAIPWLNPSFVFADVIQKSPDGPEDDKVYFFFTVEVSVEYE  
FVFKLMIPRVARVCKGDQGGRLTLQKKWTSFLKARLICKSPDSGLVFNILQDVFV  
LRAPGLKEPVFYAVFTPQLNNVGLSVCAYTLATVEAVFSRGKYMQSATVEQSH  
TKWVRYNGVPVTPRPGACIDSEARAANYTSSLNLPDKTLQFVKDHPLMDDSVTPI  
DNRPKLIKKDVNYTQIVVDRTQALDGTIFYDVMFISTDRGALHKAVILTKEVHVIEE  
TQLFRDSEPVLTLSSKKGRKFVYAGSNGVWQAPLAFCEKHGSCEDCVLARD  
PYCAWSPAIAKACVTLHQEEASSRGWIQDMSGDTSSCLDKSKESFNQHFFKHGG  
TAEKCFQKSNLARVVWKFQNGELKAASPKYGFVGRKHLIFNLSDGDSGVYQC  
LSEERVRNKTVSQLLAKHVLEVKMVPRTPPSPTSEDAQTEGSKITSKMPVASTQG  
SSPPTPALWATSPRAATLPPKSSSGTSCEPKMVINTVPQLHSEKTVYKSSDNR

**Purity**

Greater than 95% as determined by SDS-PAGE.

**Source**

Mammalian cell

**MW**

108.1 kDa

**Uniprot ID**
[009126](#)
**Expiration Date**

6 months from date of receipt.