

# Rat Semaphorin 4D / SEMA4D / CD100 Protein (His Tag)

Catalog Number: 80320-R08H



**Sino Biological Inc.**  
Biological Solution Specialist

## General Information

### Gene Name Synonym:

C9orf164; CD100; coll-4; M-sema-G; SEMAJ; CD100; coll-4; Semac12; Semaj; Semcl2

### Protein Construction:

A DNA sequence encoding the rat SEMA4D (Met1-Met712) was expressed, fused with a polyhistidine tag at the C-terminus.

**Source:** Rat

**Expression Host:** Human Cells

## QC Testing

**Purity:** > 95 % as determined by SDS-PAGE

### Endotoxin:

< 1.0 EU per µg of the protein as determined by the LAL method

### Stability:

Samples are stable for up to twelve months from date of receipt at -70 °C

**Predicted N terminal:** Phe 24

### 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.

### Formulation:

Lyophilized from sterile PBS, pH 7.4

Normally 5 % - 8 % trehalose, mannitol and 0.01% Tween80 are added as protectants before lyophilization. Specific concentrations are included in the hardcopy of COA. Please contact us for any concerns or special requirements.

## Usage Guide

### Storage:

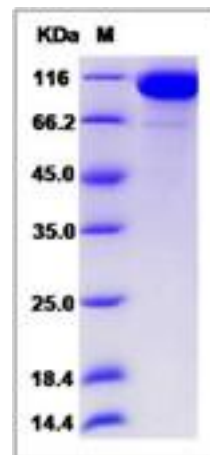
Store it under sterile conditions at -20°C to -80°C upon receiving. Recommend to aliquot the protein into smaller quantities for optimal storage.

**Avoid repeated freeze-thaw cycles.**

### Reconstitution:

Detailed reconstitution instructions are sent along with the products.

## SDS-PAGE:



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