

# Human Semaphorin 4D/SEMA4D/CD100 (His Tag) recombinant protein



Catalog Number: 501088

## General Information

### Gene Name Synonym

A8; BB18; GR3

### Protein Construction

A DNA sequence encoding the human SEMA4D isoform 1 (Q92854-1) extracellular domain (Met 1-Arg 734) was expressed, with a polyhistidine tag at the C-terminus.

### Organism

Human

### Expression Host

Human Cells

## QC Testing

### Activity

Measured by its binding ability in a functional ELISA.

Immobilized human SEMA4D-His at 10 µg/ml (100 µl/well) can bind mouse PTPRC-Fc (Cat:501204) with a linear range of 0.625-5 µg/ml.

### Purity

> 92 % 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

Met 22

## Molecular Mass

The recombinant human SEMA4D consists of 725 amino acids and predicts a molecular mass of 80.7 kDa. In SDS-PAGE under reducing conditions, the apparent molecular mass of rhSEMA4D is approximately 110 kDa due to glycosylation.

## Formulation

Lyophilized from sterile PBS, pH 7.4

1. 5 % trehalose and mannitol are added as protectants before lyophilization.

2. Please contact us for any concerns or special requirements.

## Usage Guide

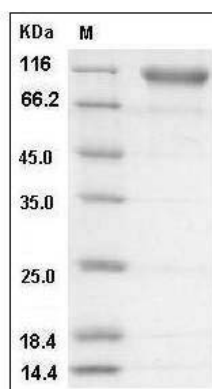
### Storage

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

Adding sterile water, prepare a stock solution of 0.25 mg/ml. Concentration is measured by UV-Vis.

## SDS-PAGE



Human Semaphorin 4D / SEMA4D / CD100 Protein (His Tag) SDS-PAGE