

# Human Semaphorin 4A/SEMA4A/Semaphorin B (His Tag) recombinant protein



Catalog Number: 502674

## General Information

### Gene Name Synonym

Semaphorin-B

### Protein Construction

A DNA sequence encoding the human SEMA4A (NP\_071762.2) extracellular domain (Met 1-His 683) was expressed, with a polyhistidine tag at the C-terminus.

### Organism

Human

### Expression Host

Human Cells

## QC Testing

### Activity

Measured by its ability to bind biotinylated mouse SEMA4D in a functional ELISA.

### Purity

> 96 % as determined by SDS-PAGE

### Endotoxin

< 1.0 EU per  $\mu\text{g}$  of the protein as determined by the LAL method

### Stability

Samples are stable for up to twelve months from date of receipt at  $-70^{\circ}\text{C}$

### Predicted N terminal

Gly 32

## Molecular Mass

The recombinant human SEMA4A consists of 663 amino acids and predicts a molecular mass of 73.4 kDa. In SDS-PAGE under reducing conditions, the apparent molecular mass of rh SEMA4A is approximately 75-80 kDa.

## 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

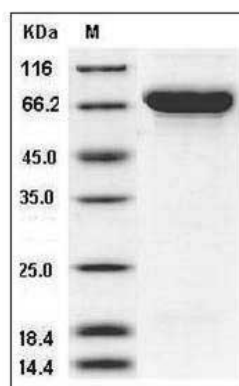
### Storage

Store it under sterile conditions at  $-20^{\circ}\text{C}$  to  $-80^{\circ}\text{C}$ . 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 4A / SEMA4A / Semaphorin B Protein (His Tag) SDS-PAGE