

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



Catalog Number: 503183

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 fused with the Fc region of human IgG1 at the C-terminus.

Organism

Human

Expression Host

Human Cells

QC Testing

Activity

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

Purity

> 90 % 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

Gly 32

Molecular Mass

The secreted recombinant human SEMA4A/Fc chimera is a disulfide-linked homodimer. The reduced monomer consists of 893 amino acids and predicts a molecular mass of 99 kDa. In SDS-PAGE under reducing conditions, the apparent molecular mass of rh SEMA4A/Fc monomer 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

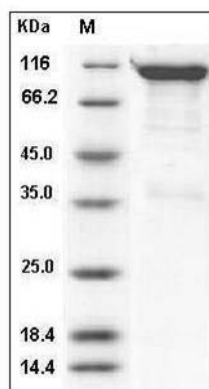
Storage

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 4A / SEMA4A / Semaphorin B Protein (Fc Tag) SDS-PAGE