

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



Catalog Number: 500789

General Information

Gene Name Synonym

M-Sema G; Semaphorin-C-like 2; Semaphorin-J

Protein Construction

A DNA sequence encoding the mouse SEMA4D (NP_038688.2) extracellular domain (Met 1-Arg 733) was expressed, with a C-terminal polyhistidine tag.

Organism

Mouse

Expression Host

Human Cells

QC Testing

Activity

Measured by its ability to bind human SEMA4A in a functional ELISA.

Purity

> 96 % 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 secreted recombinant mouse SEMA4D comprises 721 amino acids and has a calculated molecular mass of 80.2 kDa. As a result of glycosylation, the recombinant protein migrates as an approximately 100-110 kDa band in SDS-PAGE under reducing conditions.

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

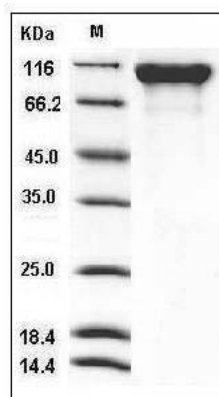
Storage

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



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