

Mouse ST6GAL1/ST6GAL-I (His Tag) recombinant protein



Catalog Number: 501947

General Information

Gene Name Synonym

CMP-N-acetylneuraminate-beta-galactosamide-alpha-2,6-sialyltransferase 1; ST6Gal I; Sialyltransferase 1

Protein Construction

A DNA sequence encoding the extracellular domain of mouse ST6GAL1 (NP_666045.1) (Lys 27-Cys 403) was fused with a polyhistidine tag at the N-terminus.

Organism

Mouse

Expression Host

Human Cells

QC Testing

Activity

Measured by its ability to transfer Neu5Ac from CMP-Neu5Ac to N-Acetylglucosamine. The specific activity is > 150 pmol/min/ μ g.

Purity

> 96 % as determined by SDS-PAGE

Endotoxin

< 1.0 EU per μ 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°C

Predicted N terminal

His

Molecular Mass

The recombinant mouse ST6GAL1 comprises 396 amino acids and predicts a molecular mass of 45.9 kDa. The apparent molecular mass of mouse ST6GAL1 is approximately 50-55 kDa 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

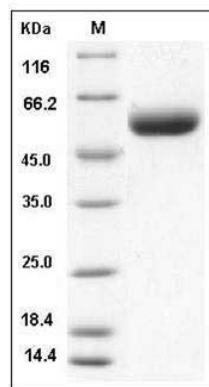
Storage

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



Mouse ST6GAL1 / CD75 Protein (His Tag) SDS-PAGE