

General Information

Gene Name Synonym

Alpha-mannoside beta-1,6-N-acetylglucosaminyltransferase; GlcNAc-T V; Mannoside acetylglucosaminyltransferase 5; N-acetylglucosaminyl-transferase V

Protein Construction

A DNA sequence encoding the human MGAT5 (NP_002401.1) C-terminal segment (Leu 189-Leu 741) was fused with a polyhistidine tag at the C-terminus and a signal peptide at the terminus.

Organism

Human

Expression Host

Human Cells

QC Testing

Activity

Measured by its ability to transfer NAcetyl α Dglucosamine from UDPNacetyl α Dglucosamine to a biantennary Nlinked core pentasaccharide in a CD39L3 coupled assay. The specific activity is >10pmoles/min/ μ g

Purity

> 98 % 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

Leu 189

Molecular Mass

The recombinant human MGAT5 consists of 564 amino acids and predicts a molecular mass of 65 kDa. In SDS-PAGE under reducing conditions, the apparent molecular mass of rh MGAT5 is approximately 60-65 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

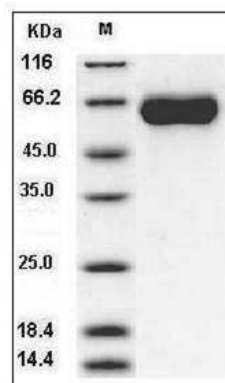
Storage

Store it under sterile conditions at -20°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 MGAT5 / GGNT5 Protein (His Tag) SDS-

Human MGAT5 (His Tag) recombinant protein



Catalog Number: 501840

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