

## 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 $\alpha$ Dglucosamine from UDPNAcetyl $\alpha$ Dglucosamine to a biantennary Nlinked core pentasaccharide in a CD39L3 coupled assay. The specific activity is  $>10$  pmoles/min/ $\mu$ g

### Purity

$> 98$  % as determined by SDS-PAGE

### Endotoxin

$< 1.0$  EU per  $\mu$ 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

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

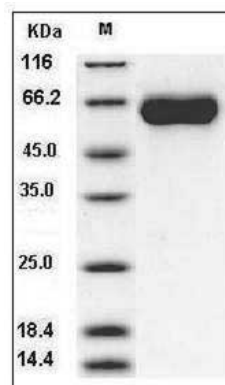
### Storage

Store it under sterile conditions at  $-20^{\circ}\text{C}$  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 MGAT5 / GGNT5 Protein (His Tag) SDS-

# Human MGAT5 (His Tag) recombinant protein



Catalog Number: 501840

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