

# Human B4GALT1/GGTB2 (His Tag) recombinant protein



Catalog Number: 502574

## General Information

### Gene Name Synonym

UDP-Gal:beta-GlcNAc beta-1,4-galactosyltransferase 1; UDP-galactose:beta-N-acetylglucosamine beta-1,4-galactosyltransferase 1; Lactose synthase A protein; N-acetyllactosamine synthase; Nal synthase; Beta-N-acetylglucosaminylglycopeptide beta-1,4-galactosyltransferase; Beta-N-acetylglucosaminylglycolipid beta-1,4-galactosyltransferase; Processed beta-1,4-galactosyltransferase 1

### Protein Construction

A DNA sequence encoding the human B4GALT1 extracellular domain (NP\_001488.2) (Gly 44-Ser 398) was fused with a polyhistidine tag at the N-terminus.

### Organism

Human

### Expression Host

Human Cells

## QC Testing

### Purity

> 92 % as determined by SDS-PAGE

### Endotoxin

< 1.0 EU per  $\mu\text{g}$  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

His

## Molecular Mass

The secreted recombinant human B4GALT1 consists of 371 amino acids and predicts a molecular mass of 41.5 kDa. By SDS-PAGE under reducing conditions, rh B4GALT1 migrates as an approximately 45-55 kDa protein 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

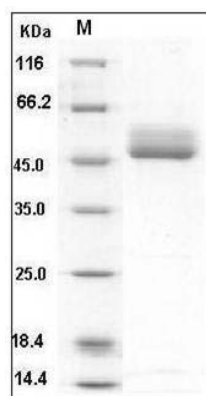
Store it under sterile conditions at  $-20^{\circ}\text{C}$  to  $-80^{\circ}\text{C}$ .

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 B4GALT1 / GGTB2 Protein (His Tag) SDS-PAGE