

Human GALNT2 / GalNAc-T2 Protein (His Tag)

Catalog Number: 13764-H07H



Sino Biological Inc.
Biological Solution Specialist

General Information

Gene Name Synonym:

GalNAc-T2; AI480629

Protein Construction:

A DNA sequence encoding the human GALNT2 (NP_004472.1) (Lys52-Gln571) was expressed with an N-terminal polyhistidine tag.

Source: Human

Expression Host: Human Cells

QC Testing

Purity: (94.8±3.9) % 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: His

Molecular Mass:

The recombinant human GALNT2 comprises 540 amino acids and has a predicted molecular mass of 61.6 kDa. The apparent molecular mass of the protein is approximately 57-65 and 46 kDa in SDS-PAGE under reducing conditions.

Formulation:

Lyophilized from sterile 25mM Tris, 150mM NaCl, 0.05% Brij-35, pH 7.5.

Normally 5 % - 8 % trehalose, mannitol and 0.01% Tween80 are added as protectants before lyophilization. Specific concentrations are included in the hardcopy of COA. Please contact us for any concerns or special requirements.

Usage Guide

Storage:

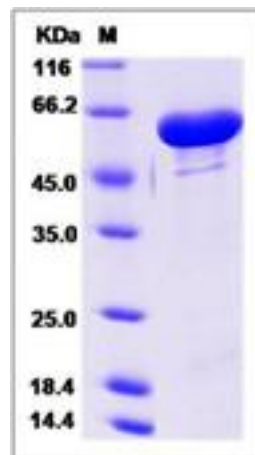
Store it under sterile conditions at -20°C to -80°C upon receiving. Recommend to aliquot the protein into smaller quantities for optimal storage.

Avoid repeated freeze-thaw cycles.

Reconstitution:

Detailed reconstitution instructions are sent along with the products.

SDS-PAGE:



Protein Description

GALNT2, also known as GalNAc-T2, is a member of the GalNAc-transferases family. Members of this family transfer an N-acetyl galactosamine to the hydroxyl group of a serine or threonine residue in the first step of O-linked oligosaccharide biosynthesis. GALNT2 may play a role in lipid metabolism. It catalyzes the initial reaction in O-linked oligosaccharide biosynthesis, the transfer of an N-acetyl-D-galactosamine residue to a serine or threonine residue on the protein receptor. GALNT2 has a broad spectrum of substrates for peptides such as EA2, Muc5AC, Muc1a, Muc1b.

References

1. Bennett EP. et al., 1998, Glycobiology. 8 (6): 547-55.
2. White T. et al., 1995, J Biol Chem. 270 (41): 24156-65.
3. Bennett EP. et al., 1996, J Biol Chem. 271 (29): 17006-12.

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