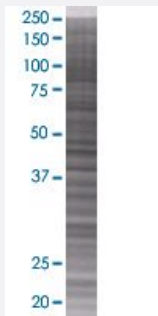


B3GALT4 293T Cell Transient Overexpression Lysate(Denatured)

Catalog # H00008705-T01

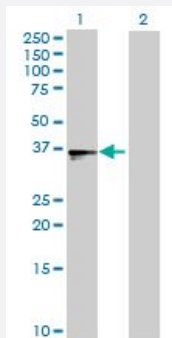
Size 100 uL

Applications



SDS-PAGE Gel

B3GALT4 transfected lysate.



Western Blot

Lane 1: B3GALT4 transfected lysate (41.5 KDa)

Lane 2: Non-transfected lysate.

Specification

Transfected Cell Line	293T
Plasmid	pCMV-B3GALT4 full-length
Host	Human
Theoretical MW (kDa)	41.5
Interspecies Antigen Sequence	Mouse (79); Rat (79)

Quality Control Testing

Transient overexpression cell lysate was tested with Anti-B3GALT4 antibody ([H00008705-B02](#)) by Western Blots.
SDS-PAGE Gel
B3GALT4 transfected lysate.
Western Blot
Lane 1: B3GALT4 transfected lysate (41.5 KDa)
Lane 2: Non-transfected lysate.

Storage Buffer

1X Sample Buffer (50 mM Tris-HCl, 2% SDS, 10% glycerol, 300 mM 2-mercaptoethanol, 0.01% Bromophenol blue)

Storage Instruction

Store at -80°C. Aliquot to avoid repeated freezing and thawing.

Applications

- Western Blot

Gene Info — B3GALT4

Entrez GeneID[8705](#)**GeneBank Accession#**[NM_003782](#)**Protein Accession#**[NP_003773](#)**Gene Name**

B3GALT4

Gene Alias

DJ1033B10.3, Gal-T2, GalT4, beta3GALT4, beta3Gal-T4

Gene Description

UDP-Gal:betaGlcNAc beta 1,3-galactosyltransferase, polypeptide 4

Omim ID[603095](#)**Gene Ontology**[Hyperlink](#)

Gene Summary

This gene is a member of the beta-1,3-galactosyltransferase (beta3GalT) gene family. This family encodes type II membrane-bound glycoproteins with diverse enzymatic functions using different donor substrates (UDP-galactose and UDP-N-acetylglucosamine) and different acceptor sugars (N-acetylglucosamine, galactose, N-acetylgalactosamine). The beta3GalT genes are distantly related to the Drosophila Brainiac gene and have the protein coding sequence contained in a single exon. The beta3GalT proteins also contain conserved sequences not found in the beta4GalT or alpha3GalT proteins. The carbohydrate chains synthesized by these enzymes are designated as type 1, whereas beta4GalT enzymes synthesize type 2 carbohydrate chains. The ratio of type 1:type 2 chains changes during embryogenesis. By sequence similarity, the beta3GalT genes fall into at least two groups: beta3GalT4 and 4 other beta3GalT genes (beta3GalT1-3, beta3GalT5). This gene is oriented telomere to centromere in close proximity to the ribosomal protein S18 gene. The functionality of the encoded protein is limited to ganglioseries glycolipid biosynthesis. [provided by RefSeq]

Other Designations

OTTHUMP00000029128|UDP-Gal:betaGlcNAc beta 1,3-galactosyltransferase 4|beta-3-galactosyltransferase 4

Pathway

- [Glycosphingolipid biosynthesis - ganglio series](#)
- [Metabolic pathways](#)

Disease

- [Genetic Predisposition to Disease](#)
- [Lupus Erythematosus](#)