

Recombinant Full Length Human B3GALT4 Protein, GST-tagged

Cat. No. B3GALT4-1715HF **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Human B3GALT4 full-length ORF (AAH32574, 1 a.a. - 378 a.a.) recombinant protein with GST-tag at N-terminal.
Species	Human
Source	In Vitro Cell Free System
ProteinLength	378 amino acids
Description	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.

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

	[provided by RefSeq]
Form	50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.
Molecular Mass	67.32 kDa
AA Sequence	MQLRLFRRLLLAALLLVIVWTLFGPSGLGEEILLSLSLASLLPAPASPGPPLALPRLLIP NQEACSGPGAPPFLILVCTAPENLNQRNAIRASWGGLREARGLRVQTLFLLGEPNA QHPVWGSQGSDLASESAAQGDILQAAFQDSYRNLTCLKTSLGNWAEKHCPMARYV LKTDVVYVNPVELVSELVLRGGRWGQWERSTEPQREAEQEGGQVLHSEEVPLLY LGRVHWRVNPSTPGGRHRVSEEQWPHTWGPFPYASGTGYVLSASAVQLILKVA SRAPLLPLEDVFGVSARRGGLAPTQCVKLAGATHYPLDRCCYGKFLTSHRLDPW KMQEAWKLVGSDGERTAPFCSWFQGVLGILRCRAIAWLQS
Notes	Best use within three months from the date of receipt of this protein.
Storage	Store at -80 centigrade. Aliquot to avoid repeated freezing and thawing.

GENE INFORMATION

Gene Name	B3GALT4 UDP-Gal:betaGlcNAc beta 1,3-galactosyltransferase, polypeptide 4 [Homo sapiens]
Official Symbol	B3GALT4
Synonyms	GALT2; GALT4; BETA3GALT4
Gene ID	8705
mRNA Refseq	NM_003782.3

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

Protein Refseq	NP_003773.1
MIM	603095
UniProt ID	B3KQP5

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA