Recombinant Full Length Human B3GNT5 Protein, GST-tagged

Cat. No. B3GNT5-1634HF **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Human B3GNT5 full-length ORF (AAH28058, 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 encodes a member of the beta-1,3-N-acetylglucosaminyltransferase family. This enzyme is a type II membrane protein. It exhibits strong activity to transfer GlcNA c to glycolipid substrates and is identified as the most likely candidate for lactotriaosyl ceramide synthase. This enzyme is essential for the expression of Lewis X epitopes o n glycolipids. [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	MRMLVSGRRV KKWQLIIQLF ATCFLASLMF FWEPIDNHIV SHMKSYSYRY LINSYDFVND TLSLKHTSAG PRYQYLINHK EKCQAQDVLL LLFVKTAPEN YDRRSGIRRT WGNENYVRSQ LNANIKTLFA LGTPNPLEGE ELQRKLAWED QRYNDIIQQD FVDSFYNLTL KLLMQFSWAN TYCPHAKFLM TADDDIFIHM PNLIEYLQSL EQIGVQDFWI GRVHRGAPPI RDKSSKYYVS YEMYQWPAYP DYTAGAAYVI SGDVAAKVYE ASQTLNSSLY IDDVFMGLCA NKIGIVPQDH

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	VFFSGEGKTP YHPCIYEKMM TSHGHLEDLQ DLWKNATDPK VKTISKGFFG QIYCRLMKII LLCKISYVDT YPCRAAFI
Storage	Store at -80 centigrade. Aliquot to avoid repeated freezing and thawing.

GENE INFORMATION

Gene Name	B3GNT5 UDP-GlcNAc:betaGal beta-1,3-N-acetylglucosaminyltransferase 5 [Homo sapiens]
Official Symbol	B3GNT5
Synonyms	B3GNT5; UDP-GlcNAc:betaGal beta-1,3-N-acetylglucosaminyltransferase 5; B3GN T5; beta3Gn T5; BGnT-5; lc3 synthase; beta-1,3-Gn-T5; lc(3)Cer synthase; lactotriaosylceramide synthase; beta-1,3-N-acetylglucosaminyltransferase 5; beta-1,3-N-acetylglucosaminyltransferase bGnT-5; beta 1,3 N-acetyglucosaminyltransferase Lc3 synthase; B3GN-T5; beta3Gn-T5
Gene ID	84002
mRNA Refseq	NM_032047
Protein Refseq	NP_114436
MIM	615333
UniProt ID	Q9BYG0

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