

## Recombinant Human B3GALT2, His-tagged

Cat. No. B3GALT2-39H Lot. No. (See product label)

### SPECIFICATION

<b>Product Overview</b>	Recombinant Human $\beta$ -1,3-Galactosyltransferase 2/B3GALT2 is produced by mammalian expression system in human cells. The target protein is expressed with sequence (His46-His422) of Human B3GALT2 fused with a polyhistidine tag at the C-terminus.
<b>Species</b>	Human
<b>Source</b>	HEK293
<b>ProteinLength</b>	46-422 a.a.
<b>AA Sequence</b>	<p>HDWLPGRAGFKENPV TYTFRGFRSTKSETNHSSLRNIWKETVPQTLRPQTATNSN            NTDLSPQGV TGLENTLSANG SIYNEKGTGHPNSYHFKYIINEPEKCKEKSFLILLIA            AEPGQIEARRAIRQT WGNESLA PGIQITRIFLLGLSIKLNGLYLRRAILEESRQYHDIIQ            QEYLDTYYNLTIKTLMGMNW VAT YCPHIPYVMKTDSDMFVNTEYLINKLLKPDLP            HNYFTGYLMRGYAPNRNKDSKWYMP DLYPSERYPVFCSGTGYVFSGLAEKIFK            VSLGIRRLHLEDVYVGICLAKLRIDPVPPP EFVF NHWRVSYSSCKYSHLITSHQFQ            PSELIKYWNHLQQNKHNACANAAKEKAGRYRHRK LHV DHHHH HH</p>
<b>Endotoxin</b>	Less than 0.1 ng/ $\mu$ g (1 IEU/ $\mu$ g).
<b>Purity</b>	Greater than 95% as determined by SEC-HPLC and reducing SDS-PAGE.

### GENE INFORMATION

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

 Email: [info@creative-biomart.com](mailto:info@creative-biomart.com)  Fax: 1-631-938-8127

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

<b>Gene Name</b>	B3GALT2 UDP-Gal:betaGlcNAc beta 1,3-galactosyltransferase, polypeptide 2 [ Homo sapiens ]
<b>Official Symbol</b>	B3GALT2
<b>Synonyms</b>	B3GALT2; UDP-Gal:betaGlcNAc beta 1,3-galactosyltransferase, polypeptide 2; beta-1,3-galactosyltransferase 2; beta3Gal T2; beta-3-galt2; beta-1,3-GalTase 2; UDP-galactose:2-acetamido-2-deoxy-D-glucose 3beta-galactosyltransferase 2; GLCT2; BETA3GALT2; beta3Gal-T2;
<b>Gene ID</b>	8707
<b>mRNA Refseq</b>	NM_003783
<b>Protein Refseq</b>	NP_003774
<b>MIM</b>	603018
<b>UniProt ID</b>	O43825
<b>Chromosome Location</b>	1q31
<b>Pathway</b>	Glycosphingolipid biosynthesis - lacto and neolacto series, organism-specific biosystem; Glycosphingolipid biosynthesis - lacto and neolacto series, conserved biosystem; Glycosphingolipid biosynthesis, lacto-series, LacCer => Lc4Cer, organism-specific biosystem; Glycosphingolipid biosynthesis, lacto-series, LacCer => Lc4Cer, conserved biosystem; Metabolic pathways, organism-specific biosystem;
<b>Function</b>	UDP-galactose:beta-N-acetylglucosamine beta-1,3-galactosyltransferase activity; galactosyltransferase activity; transferase activity, transferring glycosyl groups;

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