

## Recombinant Human B4GALT4 protein, His-tagged

Cat. No. B4GALT4-392H Lot. No. (See product label)

### SPECIFICATION

|                         |  |
|-------------------------|--|
| <b>Product Overview</b> | Recombinant Human B4GALT4(Gln39-Ala344) fused with His tag at C-terminal was expressed in HEK293.  |
| <b>Species</b>          | Human  |
| <b>Source</b>           | HEK293   |
| <b>ProteinLength</b>    | Gln39-Ala344   |
| <b>Form</b>             | Supplied as a 0.2 µm filtered solution of 20mM Tris, 150mM NaCl, pH 7.5  |
| <b>AA Sequence</b>      | QEIPKAKEFMANFHKTLILGKGKTLTNEASTKKVELDNCPSVSPYLRGQSKLIFKPD<br>TLEEVA ENPKVSRGRYPPEECKALQRVAILVPHRNREKHLMYLLEHLHPFLQRQQ<br>LDYGIYVIHQAEQKFK NRAKLLNVGYLEALKEENWDCFIFHDVDLVPENDFNLYKCE<br>EHPKHLVVGRNSTGYRLRYSGYFG GVTALSREQFFKVNFGFSNNYWGWWGGEDDDL<br>RLRVELQRMKISRPLPEVGGKYTMVFHTRDKGNEVN AERMKLLHQVSRVWRTDGLS<br>SCSYKLVSVENPLYINITVDFWFGAVDHHHHHH |
| <b>Endotoxin</b>        | Less than 0.1 ng/µg (1 IEU/µg).  |
| <b>Purity</b>           | Greater than 95% as determined by SEC-HPLC and reducing SDS-PAGE.  |
| <b>Storage</b>          | Store at < -20 centigrade, stable for 6 months after receipt. Please minimize freeze-thaw cycles.  |

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**Shipping** The product is shipped on dry ice/ice packs.

## GENE INFORMATION

**Gene Name** B4GALT4 UDP-Gal:betaGlcNAc beta 1,4- galactosyltransferase, polypeptide 4 [ Homo sapiens ]

**Official Symbol** B4GALT4

**Synonyms** B4GALT4; UDP-Gal:betaGlcNAc beta 1,4- galactosyltransferase, polypeptide 4; beta-1,4-galactosyltransferase 4; beta4Gal T4; beta-1,4-GalTase 4; UDP-Gal:beta-GlcNAc beta-1,4-galactosyltransferase 4; UDP-Gal:betaGlcNAc beta 1,4-galactosyltransferase 4; beta-N-acetylglucosaminyl-glycolipid beta-1,4-galactosyltransferase 4; UDP-galactose:beta-N-acetylglucosamine beta-1,4-galactosyltransferase 4; B4Gal-T4; beta4Gal-T4;

**Gene ID** 8702

**mRNA Refseq** NM\_003778

**Protein Refseq** NP\_003769

**MIM** 604015

**UniProt ID** O60513

**Chromosome Location** 3q13.3

**Pathway** Asparagine N-linked glycosylation, organism-specific biosystem; Glycosaminoglycan biosynthesis - keratan sulfate, organism-specific biosystem; Glycosaminoglycan

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biosynthesis - keratan sulfate, conserved biosystem; Glycosphingolipid biosynthesis - lacto and neolacto series, organism-specific biosystem; Glycosphingolipid biosynthesis - lacto and neolacto series, conserved biosystem; Glycosphingolipid biosynthesis, neolacto-series, LacCer => nLc4Cer, organism-specific biosystem;

**Function**

N-acetyllactosamine synthase activity; galactosyltransferase activity; metal ion binding; transferase activity, transferring glycosyl groups;

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