

# Active Recombinant Human B4GALT2 Protein, His-tagged

**Cat. No.** B4GALT2-1008H    **Lot. No.** (See product label)

## SPECIFICATION

|                             |                                                                                                                                                                                               |
|-----------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b>     | Recombinant Human B4GALT2 (Accession # O60909) Ser43-Gly372, fused with C-terminal 6-His tag, was produced in Mouse myeloma cell line, NS0-derived.                                           |
| <b>Species</b>              | Human                                                                                                                                                                                         |
| <b>Source</b>               | Mammalian Cells                                                                                                                                                                               |
| <b>ProteinLength</b>        | Ser43-Gly372                                                                                                                                                                                  |
| <b>Predicted N Terminal</b> | Ser43                                                                                                                                                                                         |
| <b>Form</b>                 | Supplied as a 0.2 μ filtered solution in Tris and NaCl.                                                                                                                                       |
| <b>Bio-activity</b>         | Measured by its ability to transfer galactose from UDP-galactose to glucose. The specific activity is >80 pmol/min/g, as measured under the described conditions.                             |
| <b>Molecular Mass</b>       | Recombinant Human B4GALT2, His-tagged has a calculated MW of 38 kDa. In SDS-PAGE migrates as 44-55 kDa, reducing conditions.                                                                  |
| <b>Purity</b>               | >90%, by SDS-PAGE under reducing conditions and visualized by Colloidal Coomassie® Blue stain at 5 μg per lane.                                                                               |
| <b>Storage</b>              | Avoid repeated freeze-thaw cycles. No activity loss was observed after storage at: In lyophilized state for 1 year (4°C); After reconstitution under sterile conditions for 3 months (-70°C). |

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## GENE INFORMATION

|                            |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
|----------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Gene Name</b>           | B4GALT2 UDP-Gal:betaGlcNAc beta 1,4- galactosyltransferase, polypeptide 2 [ Homo sapiens ]                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| <b>Official Symbol</b>     | B4GALT2                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| <b>Synonyms</b>            | B4GALT2; UDP-Gal:betaGlcNAc beta 1,4- galactosyltransferase, polypeptide 2; beta-1,4-galactosyltransferase 2; beta4Gal T2; beta-4-GalT2; beta-1,4-GalTase 2; UDP-Gal:beta-GlcNAc beta-1,4-galactosyltransferase 2; UDP-Gal:betaGlcNAc beta 1,4-galactosyltransferase 2; UDP-Gal:betaGlcNAc beta 1,4-galactosyltransferase, polypeptide 2; beta-N-acetylglucosaminyl-glycolipid beta-1,4-galactosyltransferase 2; UDP-galactose:beta-N-acetylglucosamine beta-1,4-galactosyltransferase 2; B4Gal-T2; B4Gal-T3; beta4Gal-T2; |
| <b>Gene ID</b>             | 8704                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| <b>mRNA Refseq</b>         | NM_001005417                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| <b>Protein Refseq</b>      | NP_001005417                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| <b>MIM</b>                 | 604013                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| <b>UniProt ID</b>          | O60909                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| <b>Chromosome Location</b> | 1p34-p33                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |

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