

# Recombinant Full Length Human B4GALNT2 Protein

**Cat. No.** B4GALNT2-1646HF    **Lot. No.** (See product label)

## SPECIFICATION

|                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
|-------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b> | Human B4GALNT2 full-length ORF (ADR83075.1) recombinant protein without tag.                                                                                                                                                                                                                                                                                                                                                                     |
| <b>Species</b>          | Human                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| <b>Source</b>           | In Vitro Cell Free System                                                                                                                                                                                                                                                                                                                                                                                                                        |
| <b>ProteinLength</b>    | 566 amino acids                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| <b>Description</b>      | <p>B4GALNT2 catalyzes the last step in the biosynthesis of the human Sd(a) antigen through the addition of an N-acetylgalactosamine residue via a beta-1,4 linkage to a subterminal galactose residue substituted with an alpha-2,3-linked sialic acid.</p> <p>B4GALNT2 also catalyzes the last step in the biosynthesis of the Cad antigen (Montiel et al., 2003 [PubMed 12678917]).</p>                                                        |
| <b>Form</b>             | 25 mM Tris-HCl of pH8.0 containing 2% glycerol.                                                                                                                                                                                                                                                                                                                                                                                                  |
| <b>Molecular Mass</b>   | 62.3 kDa                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| <b>AA Sequence</b>      | <p>MGSAGFSVGK FHVEVASRGR ECVSGTPECG NRLGSAGFGD LCLELRGADP</p> <p>AWGPFAAHGR SRRQGSRFLW LLKILVIILV LGIVGFMFGS MFLQAVFSSP</p> <p>KPELPSPAPG VQKLKLLPEE RLRNLFSYDG IWLFPKNQCK CEANKEQGGY</p> <p>NFQDAYGQSD LPAVKARRQA EFEHFQRREG LPRPLPLLQ PNLPGYYPVH</p> <p>GVEVMPLHTV PIPGLQFEGP DAPVYEVTLT ASLGTNLTLA DVPDSVVQGR</p> <p>GQKQLIISTS DRKLLKFILQ HVTYTSTGYQ HQKVDIVSLE SRSSVAKFPV</p> <p>TIRHPVIPKL YDPGPERKLR NLVTIATKTF LRPHKLMIML RSIREYYPDL</p> |

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TVIVADDSQK PLEIKDNHVE YYTMPFGKGW FAGRNLAISQ VTTKYVLWVD  
 DDFLFNEETK IEVLVDVLEK TELDVVGGSV LGNVFQFKLL LEQSENGACL  
 HKRMGFFQPL DGFPSCVVTS GVVNFFLAHT ERLQRVGFDP RLQRVAHSEF  
 FIDGLGTLLV GSCPEVIIGH QSRSPVDSE LAALEKTYNT YRSNTLTRVQ  
 FKLALHYFKN HLQCAA

**Storage** Store at -80 centigrade. Aliquot to avoid repeated freezing and thawing.

## GENE INFORMATION

**Gene Name** B4GALNT2 beta-1,4-N-acetyl-galactosaminyl transferase 2 [ Homo sapiens ]

**Official Symbol** B4GALNT2

**Synonyms** B4GALT; GALGT2

**Gene ID** 124872

**mRNA Refseq** NM\_153446.2

**Protein Refseq** NP\_703147.2

**MIM** 111730

**UniProt ID** Q8NHY0

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