

Recombinant Human B4GALNT2 protein

Cat. No. B4GALNT2-027H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Human B4GALNT2 full-length ORF (ADR83075.1) recombinant protein without tag.
Species	Human
Source	Wheat Germ
Description	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. B4GALNT2 also catalyzes the last step in the biosynthesis of the Cad antigen (Montiel et al., 2003 [PubMed 12678917]).
Form	25 mM Tris-HCl of pH8.0 containing 2% glycerol.
Molecular Mass	62.3 kDa
AA Sequence	MGSAGFSVGKFHVEVASRGRECVSGTPECGNRLGSAGFGDLCLELRGADPAWGP FAAHGRSRRQGSRFLWLLKILVILVLGIVGFMFGSMFLQAVFSSPKPELPSPAPGVQ KLKLLPEERLRNLFSDGIWLFKPNQCKCEANKEQGGYNFQDAYGQSDLPVAVKARR QAEFEHFQRREGLPRPLLLVQPNLPFGYPVHGVEVMPLHTVPIPLQFEGPDAPV YEVTLTASLGTNLNLADVPDSVVQGRGQKQLIISTDRKLLKFIHQHVTYTSTGYQH KVDIVSLESRSSVAKFPVTIRHPVIPKLYDPGPERKLRNLVTIATKTFLRPHKLMIMLRS IREYYPDLTIVADDSQKPLEIKDNHVEYYTTPFGKGWFAGRNLAISQVTTKYVLWV DDDFLFNEETKIEVLVDVLEKTELDVVGGSVLGNVFQFKLLLEQSENGACLHKRMGF FQPLDGFPSVCVVTSGVNVFFLAHTERLQRVGFDPRQLQVAHSEFFIDGLGTLVVGSC

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PEVIIGHQSRSPVVDSELAALEKTYNTYRSNTLTRVQFKLALHYFKNHLQCAA

Notes Best use within three months from the date of receipt of this protein.

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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