

Recombinant Human B4GALNT2 protein, His & T7-tagged

Cat. No. B4GALNT2-1690H Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant Human B4GALNT2 aa. (Thr324~Ala566 (Accession # Q8NHY0)) fused with N-terminal His & T7 tag was produced in E. coli cells.
Species	Human
Source	E.coli
ProteinLength	Thr324~Ala566
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	Freeze-dried powder
Molecular Mass	Predicted Molecular Mass: 31.3kDa
Endotoxin	<1.0EU per 1ug (determined by the LAL method)
Purity	>95%
Applications	SDS-PAGE; WB; ELISA; IP.

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Stability	The thermal stability is described by the loss rate. The loss rate was determined by accelerated thermal degradation test, that is, incubate the protein at 37°C for 48h, and no obvious degradation and precipitation were observed. The loss rate is less than 5% within the expiration date under appropriate storage condition.
Storage	Avoid repeated freeze/thaw cycles. Store at 2-8°C for one month. Aliquot and store at -80°C for 12 months.
Storage buffer	Supplied as lyophilized form in PBS, pH7.4, containing 5% trehalose, 0.01% sarcosyl.
Reconstitution	Reconstitute in sterile PBS, pH7.2-pH7.4.
Isoelectric Point	6.2

GENE INFORMATION

Gene Name	B4GALNT2 beta-1,4-N-acetyl-galactosaminyltransferase 2 [Homo sapiens (human)]
Official Symbol	B4GALNT2
Synonyms	B4GALNT2; beta-1,4-N-acetyl-galactosaminyltransferase 2; B4GALT; GALGT2; beta-1,4 N-acetylgalactosaminyltransferase 2; UDP-GalNAc:Neu5Aca2-3Galb-R b1,4-N-acetylgalactosaminyltransferase; UDP-GalNAc:Neu5Acalpha2-3Galbeta-R beta1,4-N-acetylgalactosaminyltransferase; beta 1,4 N-acetylgalactosaminyltransferase/betal,4 GalNAcT/Sda-GalNAcT; beta-1,4-N-acetyl-galactosaminyl transferase 2; beta-4-N-acetylgalactosaminyltransferase; sd(a) beta-1,4-GalNAc transferase; sda beta-1,4-GalNAc transferase
Gene ID	124872
mRNA Refseq	NM_001159387.1

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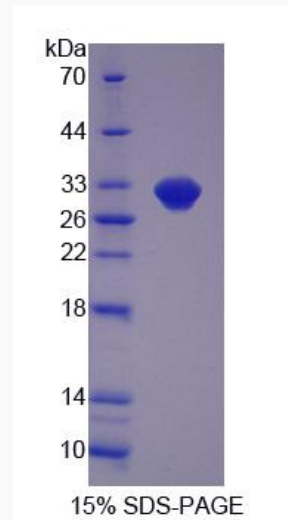
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Protein Refseq NP_001152859.1

UniProt ID Q8NHY0

SDS-PAGE



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