

Recombinant Mouse B4galt1 overexpression lysate

Cat. No. B4galt1-07HCL **Lot. No.** (See product label)

SPECIFICATION

Product Overview

Recombinant mouse B4galt1 HEK293T cell transient overexpression lysate (as WB positive control) with a C-Myc/DDK tag was expressed in HEK293T.

Preparation: HEK293T cells in 10-cm dishes were transiently transfected. Transfected cells were cultured for 48hrs before collection. The cells were lysed in modified RIPA buffer (25mM Tris-HCl pH7.6, 150mM NaCl, 1% NP-40, 1mM EDTA, 1xProteinase inhibitor cocktail mix, 1mM PMSF and 1mM Na3VO4), and then centrifuged to clarify the lysate. Protein concentration was measured by BCA kit. To facilitate transportation and protein, the products are supplied as lyophilized proteins.

Components: 1 vial of 20 µg lyophilized gene specific transient over-expression cell lysate

Species

Mouse

Source

HEK293

Description

This gene encodes two distinct enzyme isoforms, a long membrane-bound form and a short soluble form. These alternate isoforms are thought to be produced through alternative nested transcription initiation and different in-frame start codon usage. These enzymes catalyze the transfer of galactose to acceptor sugars, such as N-acetylglucosamine and glucose. The long form of this enzyme is localized to the trans-Golgi membrane and is involved in glycoconjugate biosynthesis. The short form functions in lactose biosynthesis through formation of a heterodimer with alpha-lactalbumin.

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Molecular Mass	44.4 kDa
Stability	Lysate samples are stable for 12 months from date of receipt when stored at -20 centigrade. Avoid repeated freeze-thaw cycles after reconstitution.
Storage	Upon receiving, store the sample at -20 centigrade.
Reconstitution	Lysate samples can be reconstituted with SDS Sample Buffer. Prior to SDS-PAGE fractionation, boil the lysate for 5 minutes.
Shipping	The lysate can be shipped at ambient temperature.
GENE INFORMATION	
Gene Name	B4galt1 UDP-Gal:betaGlcNAc beta 1,4- galactosyltransferase, polypeptide 1 [Mus musculus (house mouse)]
Official Symbol	B4galt1
Synonyms	B4galt1; UDP-Gal:betaGlcNAc beta 1,4- galactosyltransferase, polypeptide 1; Ga; GalT; Ggtb; Ggtb2; b4Gal-T1; B-1,4-GalT; B-1,4-GalT1; beta4Gal-T1; beta-1,4-GalT; beta-1,4-GalT1; beta-1,4-galactosyltransferase 1; N-acetyllactosamine synthase; UDP-galactose:beta-N-acetylglucosamine beta-1,4-galactosyltransferase 1; b1,4-Galactosyltransferase I; beta-1,4-GalTase 1; beta-N-acetylglucosaminyl-glycolipid beta-1,4-galactosyltransferase; beta-N-acetylglucosaminylglycopeptide beta-1,4-galactosyltransferase; galactosyltransferase 2 beta 1, 4; glycoprotein galactosyltransferase beta 1, 4; lactose synthase A protein; nal synthase; neolactotriaosylceramide beta-1,4-galactosyltransferase; EC 2.4.1.22; EC 2.4.1.275; EC 2.4.1.38; EC 2.4.1.90
Gene ID	14595

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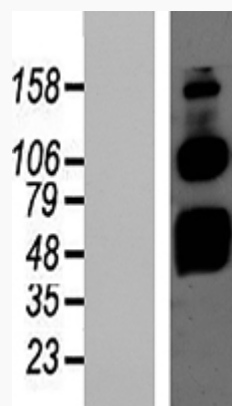
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mRNA Refseq [NM_022305](#)

Protein Refseq [NP_071641](#)

UniProt ID [P15535](#)

SDS-PAGE



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