

[Go to Product page](#)

Datasheet for ABIN1096104

**B4GALT4 Protein (AA 39-344) (His tag)**

## Overview

Quantity:	50 µg
Target:	B4GALT4
Protein Characteristics:	AA 39-344
Origin:	Human
Source:	Human Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This B4GALT4 protein is labelled with His tag.

## Product Details

Purpose:	Recombinant Human $\beta$ -1,4-Galactosyltransferase 4/B4GALT4 (C-6His)
Sequence:	QEIPKAKEFM ANFHKTILG KGKTLTNEAS TKKVELDNCP SVSPYLRGQS KLIFKPDLTLEEVQAENPKV SRGRYRPEEC KALQRVAILV PHRNREKHLM YLLEHLHPFL QRQQLDYGIIYVIHQAEKKF NRAKLLNVGY LEALKEENWD CFIFHDVDLV PENDFNLYKC EEHPKHLVVG RNSTGYRLRY SGYFGGV TAL SREQFFKVNG FSNNYWG WGG EDDDLRLRVE LQRMKISRPLPEVGKYTMVF HTRDKGNEVN AERMKLLHQV SRVWRTDGLS SCSYKLVSVE HNPLYINITVDFWFGAVDHH HHHH
Characteristics:	Recombinant Human beta-1,4-Galactosyltransferase 4/B4GALT4 produced by transfected human cells is a secreted protein with sequence (Gln39-Ala344) of Human B4GALT4 fused with a polyhistidine tag at the C-terminus.
Purity:	> 95 % as determined by reducing SDS-PAGE.
Sterility:	0.2 µm filtered

## Product Details

Endotoxin Level: Less than 0.1 ng/μg (1 IEU/μg) as determined by LAL test

## Target Details

Target:	B4GALT4
Alternative Name:	b4galt4 ( <a href="#">B4GALT4 Products</a> )
Sub Type:	Fusionprotein
Background:	<p>Beta-1,4-galactosyltransferase 4 (B4GALT4) is a single-pass type II membrane protein that belongs to the Glycosyltransferase 7 family. B4GALT4 consist of the following 2 domains: N-Acetylactosamine Synthase and beta-N-Acetylglucosaminyl-Glycolipid beta-1,4-Galactosyltransferase. B4GALT4 is highly expressed in the heart, placenta, kidney, and pancreas, it is lowly expressed in the brain, colon, lung, muscle, ovary, testis, and uterus. B4GALT4 function is responsible for the synthesis of complex-type N-linked oligosaccharides in many glycoproteins as well as the carbohydrate moieties of glycolipids.</p> <p>Alternative Names: Beta-1,4-Galactosyltransferase 4, Beta-1,4-GalTase 4, Beta4Gal-T4, b4Gal-T4, UDP-Gal:Beta-GlcNAc Beta-1,4-Galactosyltransferase 4, UDP-Galactose:Beta-N-Acetylglucosamine Beta-1,4-Galactosyltransferase 4, B4GALT4</p>
Molecular Weight:	36.77 kDa
UniProt:	<a href="#">O60513</a>
Pathways:	<a href="#">Glycosaminoglycan Metabolic Process</a>

## Application Details

Restrictions: For Research Use only

## Handling

Format:	Liquid
Reconstitution:	<p>It is not recommended to reconstitute to a concentration less than 100 μg/mL.</p> <p>Dissolve the lyophilized protein in ddH2O.</p> <p>Please aliquot the reconstituted solution to minimize freeze-thaw cycles.</p>
Buffer:	Supplied as a 0.2 μm filtered solution of 20 mM Tris, 150 mM NaCl, pH 7.5.
Handling Advice:	Always centrifuge tubes before opening. Do not mix by vortex or pipetting.
Storage:	-80 °C

Handling

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Storage Comment:	Store at < -20°C, stable for 6 months after receipt. Please minimize freeze-thaw cycles.
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Expiry Date:	6 months
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