

# Recombinant Human B4GALT4 Protein (His Tag)

Catalog Number:PKSH033259



**Note:** Centrifuge before opening to ensure complete recovery of vial contents.

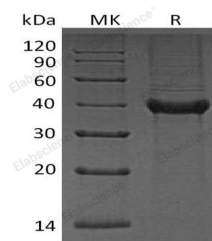
## Description

<b>Synonyms</b>	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
<b>Species</b>	Human
<b>Expression Host</b>	HEK293 Cells
<b>Sequence</b>	Gln39-Ala344
<b>Accession</b>	O60513
<b>Calculated Molecular Weight</b>	36.8 kDa
<b>Observed molecular weight</b>	34-43 kDa
<b>Tag</b>	C-His

## Properties

<b>Purity</b>	> 95 % as determined by reducing SDS-PAGE.
<b>Endotoxin</b>	< 1.0 EU per µg of the protein as determined by the LAL method.
<b>Storage</b>	Store at < -20°C, stable for 6 months. Please minimize freeze-thaw cycles.
<b>Shipping</b>	This product is provided as liquid. It is shipped at frozen temperature with blue ice/gel packs. Upon receipt, store it immediately at < -20°C.
<b>Formulation</b>	Supplied as a 0.2 µm filtered solution of 20mM Tris-HCl, 150mM NaCl, pH 7.5.
<b>Reconstitution</b>	Not Applicable

## Data



> 95 % as determined by reducing SDS-PAGE.

## Background

$\beta$ -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-Acetylglucosamine 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.

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