

## Product datasheet

# Recombinant Human B4GALT4 protein ab151664

### Description

<b>Product name</b>	Recombinant Human B4GALT4 protein
<b>Purity</b>	> 95 % SDS-PAGE.
<b>Endotoxin level</b>	< 1.000 Eu/μg
<b>Expression system</b>	HEK 293 cells
<b>Accession</b>	<u><b>O60513</b></u>
<b>Protein length</b>	Protein fragment
<b>Animal free</b>	No
<b>Nature</b>	Recombinant
<b>Species</b>	Human
<b>Sequence</b>	QEIPKAKEFMANFHKTLILGKGKTLTNEASTKKVELDNCPS VSPYLRGQS KLIFKPDLTLEEVQAENPKVSRGRYPREECKALQRVAILVP HRNREKHLM YLLEHLHPFLQRQQLDYGIVIHQAEGKKFNRAKLLNVGYL EALKEENWD CFIFHDVDLVPENDFNLYKCEEHPKHLVVGRNSTGYRLRY SGYFGGV TAL SREQFFKVNGFSNNYWGWGGEDDDLRLRVELQRMKISR PLPEVGKYTMVF HTRDKGNEVNAERMKLLHQVSRVWRTDGLSSCSYKLVS VEHNPLYINITV DFWFGA
<b>Amino acids</b>	39 to 344
<b>Tags</b>	His tag C-Terminus

### Specifications

Our **Abpromise guarantee** covers the use of **ab151664** in the following tested applications.

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

<b>Applications</b>	SDS-PAGE
	HPLC
<b>Form</b>	Liquid

## Preparation and Storage

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### Stability and Storage

Shipped on Dry Ice. Upon delivery aliquot. Store at -80°C. Avoid freeze / thaw cycle.

pH: 7.50

Constituents: 0.24% Tris, 0.88% Sodium chloride

## General Info

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### Relevance

This gene is one of seven beta-1,4-galactosyltransferase (beta4GalT) genes. They encode type II membrane-bound glycoproteins that appear to have exclusive specificity for the donor substrate UDP-galactose; all transfer galactose in a beta1,4 linkage to similar acceptor sugars: GlcNAc, Glc, and Xyl. Each beta4GalT has a distinct function in the biosynthesis of different glycoconjugates and saccharide structures. As type II membrane proteins, they have an N-terminal hydrophobic signal sequence that directs the protein to the Golgi apparatus and which then remains uncleaved to function as a transmembrane anchor. By sequence similarity, the beta4GalTs form four groups: beta4GalT1 and beta4GalT2, beta4GalT3 and beta4GalT4, beta4GalT5 and beta4GalT6, and beta4GalT7. The enzyme encoded by this gene appears to mainly play a role in glycolipid biosynthesis. Two alternatively spliced transcript variants have been found for this gene.

### Cellular localization

Golgi apparatus, Golgi stack membrane. Single-pass type II membrane protein. Note=Trans cisternae of Golgi stack.

**Please note:** All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES"

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