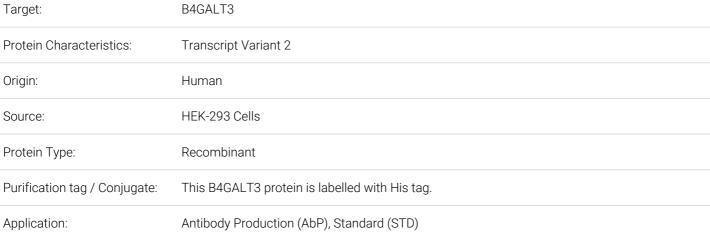


## Datasheet for ABIN2715124 B4GALT3 Protein (Transcript Variant 2) (His tag)



Quantity: 10 µg Target: B4GALT3



## Product Details

Overview

Characteristics:	<ul> <li>Recombinant human B4GALT3 (transcript variant 2) protein expressed in HEK293 cells.</li> <li>Produced with end-sequenced ORF clone</li> </ul>
Purity:	> 95 % as determined by SDS-PAGE and Coomassie blue staining
Endotoxin Level:	Endotoxin level is <0.1 ng/µg of protein (<1EU/µg).

## Target Details

Target:	B4GALT3
Alternative Name:	b4galt3 (B4GALT3 Products)
Background:	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

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	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. This gene encodes an enzyme that may be
	mainly involved in the synthesis of the first N-acetyllactosamine unit of poly-N-
	acetyllactosamine chains. Multiple alternatively spliced transcript variants encoding the same
	protein have been found for this gene.
Molecular Weight:	41.5kD
NCBI Accession:	NP_003770
Pathways:	Glycosaminoglycan Metabolic Process
Application Details	
Application Notes:	Recombinant human proteins can be used for:
	Native antigens for optimized antibody production
	Positive controls in ELISA and other antibody assays
Comment:	The tag is located at the C-terminal.
Restrictions:	For Research Use only
Handling	
Buffer:	Supplied as a 0.2 $\mu$ M filtered solution of 20 mM TrisHCl,150 mM NaCl,2 mM MgCl2,10 %
	Glycerol, pH 7.5
Storage:	-80 °C
Storage Comment:	Store at -80°C. Thaw on ice, aliquot to individual single-use tubes, and then re-freeze
	immediately. Only 2-3 freeze thaw cycles are recommended.

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