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Datasheet for ABIN2715127 B4GALT7 Protein (Myc-DYKDDDDK Tag)





Overview

Quantity:	20 µg
Target:	B4GALT7
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This B4GALT7 protein is labelled with Myc-DYKDDDDK Tag.
Application:	Antibody Production (AbP), Standard (STD)
Product Details	
Characteristics:	Recombinant human B4GALT7 protein expressed in HEK293 cells.Produced with end-sequenced ORF clone
Purity:	> 80 % as determined by SDS-PAGE and Coomassie blue staining
Target Details	
Target:	B4GALT7
Alternative Name:	b4galt7 (B4GALT7 Products)
Background:	This gene is a member of the beta-1,4-galactosyltransferase (beta4GalT) family. Family members encode type II membrane-bound glycoproteins that appear to have exclusive specificity for the donor substrate UDP-galactose. Each beta4GalT member 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

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Target Details

	protein to the Golgi apparatus which then remains uncleaved to function as a transmembrane
	anchor. The enzyme encoded by this gene attaches the first galactose in the common
	carbohydrate-protein linkage (GlcA-beta1,3-Gal-beta1,3-Gal-beta1,4-Xyl-beta1-O-Ser) found in
	proteoglycans. This enzyme differs from other beta4GalTs because it lacks the conserved Cys
	residues found in beta4GalT1-beta4GalT6 and it is located in cis-Golgi instead of trans-Golgi.
	Mutations in this gene have been associated with the progeroid form of Ehlers-Danlos
	syndrome.
Molecular Weight:	37.2 kDa
NCBI Accession:	NP_009186
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	
Concentration:	50 μg/mL
Buffer:	25 mM Tris.HCl, pH 7.3, 100 mM glycine, 10 % glycerol.
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.



Western Blotting

Image 1. Validation with Western Blot

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