Datasheet for ABIN2715127
B4GALT7 Protein (Myc-DYKDDDDK Tag)
1 Image


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## Overview

| Quantity: | $20 \mu \mathrm{~g}$ |
| :--- | :--- |
| 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: $\quad>80 \%$ 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 <br> function in the biosynthesis of different glycoconjugates and saccharide structures. As type II <br> membrane proteins, they have an N-terminal hydrophobic signal sequence that directs the |


|  | 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 (GIcA-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: <br> Native antigens for optimized antibody production <br> Positive controls in ELISA and other antibody assays |
| Comment: | The tag is located at the C-terminal. |
| Restrictions: | For Research Use only |
| Handling |  |
| Concentration: | $50 \mu \mathrm{~g} / \mathrm{mL}$ |
| Buffer: | 25 mM Tris. $\mathrm{HCl}, \mathrm{pH} 7.3,100 \mathrm{mM}$ glycine, 10 \% glycerol. |
| Storage: | $-80^{\circ} \mathrm{C}$ |
| Storage Comment: | Store at $-80^{\circ} \mathrm{C}$. 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

