

# Recombinant Full Length Human B3GALTL Protein, GST-tagged

**Cat. No.** B3GALTL-1716HF    **Lot. No.** (See product label)

## SPECIFICATION

|                         |                                                                                                                                                                                                                                                                                                                                                                                  |
|-------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b> | Human B3GALTL full-length ORF ( NP_919299.2, 1 a.a. - 498 a.a.) recombinant protein with GST-tag at N-terminal.                                                                                                                                                                                                                                                                  |
| <b>Species</b>          | Human                                                                                                                                                                                                                                                                                                                                                                            |
| <b>Source</b>           | In Vitro Cell Free System                                                                                                                                                                                                                                                                                                                                                        |
| <b>ProteinLength</b>    | 498 amino acids                                                                                                                                                                                                                                                                                                                                                                  |
| <b>Description</b>      | The protein encoded by this gene is a beta-1,3-glucosyltransferase that transfers glucose to O-linked fucosylglycans on thrombospondin type-1 repeats (TSRs) of several proteins. The encoded protein is a type II membrane protein. Defects in this gene are a cause of Peters-plus syndrome (PPS).                                                                             |
| <b>Form</b>             | 50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.                                                                                                                                                                                                                                                                                                         |
| <b>Molecular Mass</b>   | 83 kDa                                                                                                                                                                                                                                                                                                                                                                           |
| <b>AA Sequence</b>      | MRPPACWWLLAPPALLALLTCSLAFLASEDTKKEVKQSQDLEKSGISRKNDIDLKGI<br>VFVIQSQSNSFHAKRAEQLKKSILKQAADLTQELPSVLLHQLAKQEGAWTILPLPH<br>FSVTYSRNSSWIFFCEEETRIQIPKLLLETLRRYDPSKEWFLGKALHDEEATIIHHYAFS<br>ENPTVFKYPDFAAAGWALSIPLVNKLTKRLKSESLKSDFTIDLKHEIALYIWDKGGGPPL<br>TPVPEFCTNDVDFYCATTFSFLPLCRKPVKKKDIFVAVKTCKKFHGDRIPIVKQTWE<br>SQASLIEYYSDYTENSIPTVDLGIPNTDRGHCGKTFAILERFLNRSQDKTAWLVIVDD |

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DTLISISRLQHLLSCYDSGKPVFLGERYGYGLGTGGYSYITGGGGMVFSREAVRRLL  
 ASKCRCSYNDAPDDMVLGMCFSGLGIPVTHSPLFHQARPVDYPKDYLSHQVPISFH  
 KHWNIIDPVKVYFTWLAPSDDEKARQETQKGFREEL

**Notes** Best use within three months from the date of receipt of this protein.

**Storage** Store at -80 centigrade. Aliquot to avoid repeated freezing and thawing.

## GENE INFORMATION

**Gene Name** B3GALT<sub>L</sub> beta 1,3-galactosyltransferase-like [ Homo sapiens ]

**Official Symbol** B3GALT<sub>L</sub>

**Synonyms** B3GALT<sub>L</sub>; beta 1,3-galactosyltransferase-like; beta-1,3-glucosyltransferase; B3Glc T; B3GTL; beta 3-glycosyltransferase-like; beta-3-glycosyltransferase-like; UDP-GAL:beta-GlcNAc beta-1,3-galactosyltransferase-like; Gal-T; B3GLCT; B3Glc-T; beta3Glc-T

**Gene ID** 145173

**mRNA Refseq** NM\_194318

**Protein Refseq** NP\_919299

**MIM** 610308

**UniProt ID** Q6Y288

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