

B4GALT4 Protein, Human, Recombinant (His)

General Information

Synonyms:	UDP-Gal:β-GlcNAc β-1;β4Gal-T4;4-Galactosyltransferase 4;UDP-Galactose:Beta-N-Acetylglucosamine Beta-1;Beta-1;UDP-Gal:Beta-GlcNAc Beta-1;b4Gal-T4;Beta4Gal-T4;β-1;4-GalTase 4;B4GALT4;UDP-Galactose:β-N-Acetylglucosamine β-1
Protein Construction:	Gln39-Ala344
Species:	Human
Expression Host:	HEK293 Cells
Accession:	O60513
Molecular Weight:	34-43 KDa (reducing condition)
AA Sequence:	Gln39-Ala344

QC Testing

Biological Activity:	Activity has not been tested. It is theoretically active, but we cannot guarantee it. If you require protein activity, we recommend choosing the eukaryotic expression version first.
Purity:	Greater than 95% as determined by reducing SDS-PAGE. (QC verified)
Endotoxin:	< 0.1 ng/μg (1 EU/μg) as determined by LAL test.
Formulation:	Supplied as a 0.2 μm filtered solution of 20 mM Tris-HCl, 150 mM NaCl, pH 7.5.

Preparation and Storage

Stability & Storage:

Lyophilized powders can be stably stored for over 12 months, while liquid products can be stored for 6-12 months at -80°C. For reconstituted protein solutions, the solution can be stored at -20°C to -80°C for at least 3 months. Please avoid multiple freeze-thaw cycles and store products in aliquots.

Actual storage temperature shall be subject to the COA.

Shipping:

Proteins are shipped with blue ice.

Protein Background

β-1,4-galactosyltransferase 4 (B4GALT4) is a single-pass type II membrane protein that belongs to the Glycosyltransferase 7 family. B4GALT4 consist of the following 2 domains: N-Acetylglucosaminyl-Glycolipid β-1,4-Galactosyltransferase. B4GALT4 is highly expressed in the heart, placenta, kidney, and pancreas; it is lowly expressed in the brain, colon, lung, muscle, ovary, testis, and uterus. B4GALT4 function is responsible for the synthesis of complex-type N-linked oligosaccharides in many glycoproteins as well as the carbohydrate moieties of glycolipids.

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Tel:781-999-4286 E_mail:info@targetmol.com Address:34 Washington Street,Wellesley Hills,MA 02481