

Recombinant Human B4GALT4 Protein (His Tag)

Catalog No. PKSH033259

Note: Centrifuge before opening to ensure complete recovery of vial contents.

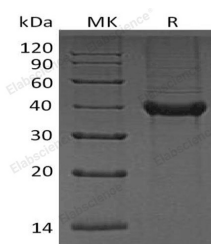
Description

Synonyms	Beta-1;4-Galactosyltransferase 4;Beta-1;4-GalTase 4;Beta4Gal-T4;b4Gal-T4;UDP-Gal:Beta-GlcNAc Beta-1;4-Galactosyltransferase 4;UDP-Galactose:Beta-N-Acetylglucosamine Beta-1;4-Galactosyltransferase 4;B4GALT4
Species	Human
Expression Host	HEK293 Cells
Sequence	Gln39-Ala344
Accession	O60513
Calculated Molecular Weight	36.8 kDa
Observed molecular weight	34-43 kDa
Tag	C-His
Bioactivity	Not validated for activity

Properties

Purity	> 95 % as determined by reducing SDS-PAGE.
Endotoxin	< 1.0 EU per µg of the protein as determined by the LAL method.
Storage	Store at < -20°C, stable for 6 months. Please minimize freeze-thaw cycles.
Shipping	This product is provided as liquid. It is shipped at frozen temperature with blue ice/gel packs. Upon receipt, store it immediately at < -20°C.
Formulation	Supplied as a 0.2 µm filtered solution of 20mM Tris-HCl, 150mM NaCl, pH 7.5.
Reconstitution	Not Applicable

Data



> 95 % as determined by reducing SDS-PAGE.

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-Acetylglucosamine Synthase and β-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

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responsible for the synthesis of complex-type N-linked oligosaccharides in many glycoproteins as well as the carbohydrate moieties of glycolipids.