



Recombinant Protein Technical Manual

Recombinant Human B4GALT4 Protein (His Tag)

RPES3385

Product Data:

Product SKU: RPES3385

Size: 10µg

Species: Human

Expression host: Human Cells

Uniprot: O60513

Protein Information:

Molecular Mass: 36.8 kDa

AP Molecular Mass: 40 kDa

Tag: C-6His

Bio-activity:

Purity: > 95 % as determined by reducing SDS-PAGE.

Endotoxin: < 1.0 EU per µg 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, 150mM NaCl, pH 7.5.

Reconstitution: Please refer to the printed manual for detailed information.

Application:

Synonyms: Beta;4-Galactosyltransferase 4; Beta;4-GalTase 4; Beta4Gal-T4; b4Gal-T4; UDP-Gal:Beta-GlcNAc Beta;4-Galactosyltransferase 4; UDP-Galactose:Beta-N-Acetylglucosamine Beta;4-Galactosyltransferase 4; B4GALT4

Immunogen Information:

Sequence: Gln39-Ala344

Background:

β ,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-Acetyllactosamine Synthase and β -N-Acetylglucosaminyl-Glycolipid β ,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.