



Recombinant Protein Technical Manual

Recombinant Human B3GNT2 Protein (Fc Tag)

RPES1384

Product Data:

Product SKU: RPES1384

Size: 20µg

Species: Human

Expression host: HEK293 Cells

Uniprot: Q9NY97

Protein Information:

Molecular Mass: 71.2 kDa

AP Molecular Mass: 11220 kDa

Tag: N-Fc

Bio-activity:

Purity: > 90 % as determined by reducing SDS-PAGE.

Endotoxin: < 1.0 EU per µg as determined by the LAL method.

Storage: Lyophilized proteins are stable for up to 12 months when stored at -20 to -80°C. Reconstituted protein solution can be stored at 4-8°C for 2-7 days. Aliquots of reconstituted samples are stable at < -20°C for 3 months.

Shipping: This product is provided as lyophilized powder which is shipped with ice packs.

Formulation: Lyophilized from sterile PBS, pH 7.4

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

Application:

Synonyms: B3GN-T2;B3GNT;B3GNT-2;B3GNT1;BETA3GNT;BGnT-2;BGNT2

Immunogen Information:

Sequence: Lys29-Cys397

Background:

B3GNT2 belongs to the beta,3-N-acetylglucosaminyltransferase family. It is a type II transmembrane protein which prefers the substrate of lacto-N-neotetraose. Alternative splicing produced 2 isoforms of the human protein. B3GNT2 catalyzes the initiation and elongation of poly-N- acetyllactosamine chains. Enzymatic activities of some glycosyltransferases are markedly increased via complex formation with other transferases or cofactor proteins. B3GNT2 and beta3Gn-T8 can form a heterodimer in vitro and that the complex exhibits much higher enzymatic activity than either enzyme alone. It is found that up-regulation of beta3Gn-T8 in differentiated HL-60 cells may increase poly-N-acetyllactosamine chains by activating intrinsic B3GNT2.