

Recombinant Human B3GNT2 Protein (Fc Tag)

Catalog Number:PKSH031125



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

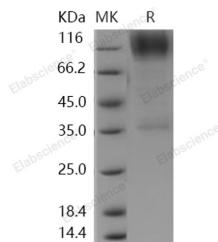
Description

Synonyms	B3GN-T2;B3GNT;B3GNT-2;B3GNT1;BETA3GNT;BGnT-2;BGNT2
Species	Human
Expression Host	HEK293 Cells
Sequence	Lys29-Cys397
Accession	Q9NY97-1
Calculated Molecular Weight	71.2 kDa
Observed molecular weight	112-120 kDa
Tag	N-hFc

Properties

Purity	> 90 % as determined by reducing SDS-PAGE.
Endotoxin	< 1.0 EU per μ g of the protein as determined by the LAL method.
Storage	Generally, 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 Normally 5 % - 8 % trehalose, mannitol and 0.01% Tween80 are added as protectants before lyophilization. Please refer to the specific buffer information in the printed manual.
Reconstitution	Please refer to the printed manual for detailed information.

Data



> 90 % as determined by reducing SDS-PAGE.

Background

B3GNT2 belongs to the beta-1,3-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 increases poly-N- acetyllactosamine chains by activating intrinsic B3GNT2.

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