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32-6678: B3GNT2 Human

Alternative Name :	B3GNT2, B3GN-T2, B3GNT, B3GNT-2, B3GNT1, BETA3GNT, BGnT-2, BGNT2, N-acetyllactosaminide beta-1,3-N-acetylglucosaminyltransferase 2, Beta-1,3-N-acetylglucosaminyltransferase 1, BGnT-1, Beta-1,3-Gn-T1, Beta3Gn-T1, Beta-1,3-galactosyltransferase 7, Beta-1,3-GalTase 7, Beta3Gal-T7, Beta3GalT7, b3Gal-T7, Beta-3-Gx-T7, beta-GlcNAc beta-1,3-galactosyltransferase 7, betaGal beta-1,3-N-acetylglucosaminyltransferase 2, BGnT-2, Beta-1,3-Gn-T2, Beta-1,3-N-acetylglucosaminyltransferase 2, Beta3Gn-T2, beta-N-acetylglucosamine beta-1,3-galactosyltransferase 7.

Description

Source: Sf9, Baculovirus cells.
Sterile Filtered colorless solution.
Beta-1,3-N-Acetylglucosaminyltransferase 2 (B3GNT2) is a part of the beta-1,3-N-acetylglucosaminyltransferase family which takes part in the synthesis of poly-N-acetyllactosamine. B3GNT2 is a type II transmembrane protein which prefers the substrate of lacto-N-neotetraose. B3GNT2 catalyzes the initiation and elongation of poly-N-acetyllactosamine chains and comprises the main polylactosamine synthase.
B3GNT2 produced in Sf9 Baculovirus cells is a single, glycosylated polypeptide chain containing 375 amino acids (29-397a.a.) and having a molecular mass of 43.5kDa (Molecular size on SDS-PAGE will appear at approximately 40-57kDa). B3GNT2 is expressed with a 6 amino acid His tag at C-Terminus and purified by proprietary chromatographic techniques.

Product Info

Amount :	1 µg / 5 µg
Purification :	Greater than 90.0% as determined by SDS-PAGE.
Content :	B3GNT2 protein solution (0.5mg/ml) contains Phosphate Buffered Saline (pH 7.4) and 10% glycerol.
Storage condition :	Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Avoid multiple freeze-thaw cycles.
Amino Acid :	ADPKSSSQEK NGKGEVIIPK EKFWKISTPP EAYWNREQEK LNRQYNPILS MLTNQTGEAG RLSNISHLNY CEPDLRVTSV VTGFNNLPDR FKDFLLYLRC RNYSLLIDQP DKCAKKPFLL LAIKSLTPHF ARRQAIRESW GQESNAGNQT VVRVFLLGQT PPEDNHPDLS DMLKFESEKH QDILMWNYRD TFFNLSLKEV LFLRWVSTSC PDTEFVFKGD DDVFVNTHHI LNYLNSLSKT KAKDLFIGDV IHNAGPHRDK KLKYYIPEVV YSGLYPPYAG GGGFLYSGHL ALRLYHITDQ VHLYPIDDVY TGMCLQKLGL VPEKHKGFRT FDIEEKNKNN ICSYVDLMLV HSRKPQEMID IWSQLQSAHL KCHHHHHH.