

Product information

B3GNT2, 29-397aa

Human, His-tagged, Recombinant, Insect cell

Cat. No. IBATGP3402

Full name: N-acetyllactosaminide beta-1,3-N-acetylglucosaminyltransferase 2 **NCBI Accession No.:** NP_006568

Synonyms: B3GNT2, B3GN-T2, B3GNT, B3GNT-2, B3GNT1, BETA3GNT, BGnT-2, BGNT2

Description: B3GNT2, also known as N-acetyllactosaminide beta-1,3-N-acetylglucosaminyltransferase 2, belongs to the beta-1,3-N-acetylglucosaminyltransferase family. It is a type II transmembrane protein which prefers the substrate of lacto-N-neotetraose. It catalyzes the initiation and elongation of poly-N- acetyllactosamine chains. Recombinant human B3GNT2, fused to His-tag at C-terminus, was expressed in insect cell and purified by using conventional chromatography techniques.

Form: Liquid. In Phosphate Buffered Saline (pH 7.4) containing 10% glycerol.

Molecular Weight: 43.5kDa (375aa)

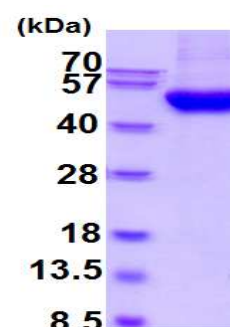
40-57kDa (SDS-PAGE under reducing conditions)

Predicted N terminal: Ala

Purity: > 90% by SDS – PAGE.

Concentration: 0.5mg/ml (determined by Absorbance at 280nm)

Endotoxin Level: < 1.0 EU per 1µg of protein (determined by LAL method)



15% SDS-PAGE (3µg)

Sequences of amino acids:

ADPKSSSQEK NGKGEV I I PK EKFWKISTPP EAYWNREQEK LNRQYNP I L S MLTNQTGEAG RLSNISHLNY CEPDLRVTSV VTGFNNLPDR
FKDFLLYLRC RNYSL I DQP DKCAKKPFL L LA I KSLTPHF ARRQA I RESW GQESNAGNQT VVRVFLGQT PPEDNHPDLS DMLKFESEKH
QD I LMWNYRD TFFNLSLKEV LFLRWVSTSC PDTEFVFKGD DDVFVNTHH I LNYLNSLSKT KAKDLF I GDV I HNAGPHRDK KLKYY I PEV V
YSGLYPPYAG GGGFLYSGHL ALRLYHITDQ VHLYP I DDVY TGMCLQKLGL VPEKHKGFRT FD I EEKNKNN I CSYVDLMLV HSRKPQEM I D
IWSQLQSAHL KCHHHHHH

General references:

Seko A., *et al.* (2008) *J Biol Chem.* 283:33094-33100.

Zhou D., *et al.* (1999) *Proc Natl Acad Sci U S A.* 96:406-411.

Storage: Can be stored at +4°C short term (1-2 weeks). For long term storage, aliquot and store at -20°C or -70°C.

Avoid repeated freezing and thawing cycles.

For research use only. This product is not intended or approved for human, diagnostics or veterinary use.



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