

Recombinant Human B4GAT1 Protein, Myc/DDK-tagged, C13 and N15-labeled

Cat. No. B4GAT1-1113H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	B3GNT1 MS Standard C13 and N15-labeled recombinant protein (NP_006867) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.
Species	Human
Source	HEK293
Description	This gene encodes a member of the beta-1,3-N-acetylglucosaminyltransferase family. This enzyme is a type II transmembrane protein. It is essential for the synthesis of pol y-N-acetyllactosamine, a determinant for the blood group i antigen.
Molecular Mass	47.1 kDa
AA Sequence	MQMSYAIRCAFYQLLLAALMLVAMLQLLYLSLLSGLHGQEEQDQYFEFFPPSPRSVD QVKAQLRTALASGGVLDASGDYRVYRGLLKTMDPNDVILATHASVDNLLHLSGLLE RWEGPLSVSVFAATKEEAQLATVLAYALSSHCPDMRARVAMHLVCPSTRYEAAPDP REPGEFALLRSCQEVDKRLARVAQPGINYALGTNVSYPNLLRNLAEGANYALVID VDMVPSEGLWRGLREMLDQSNQWGGTALVVPFAEIRRARRMPMNKNELVQLYQV GEVRPFYYGLCTPCQAPTNYSRWVNLPEESLLRPAYVVPWQDPWEPFYVAGGKVP TFDERFRQYGFNRISQACELHVAGFD FEVLNEGFLVHKGFKEALKFHPQKEAENQH NKILYRQFKQELKAKYPNSPRRCTRTRPLEQKLISEEDLAANDILDYKDDDDKV
Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining

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Stability	Stable for 3 months from receipt of products under proper storage and handling conditions.
Storage	Store at -80 centigrade. Avoid repeated freeze-thaw cycles.
Concentration	50 µg/mL as determined by BCA
Storage Buffer	100 mM glycine, 25 mM Tris-HCl, pH 7.3.
GENE INFORMATION	
Gene Name	B4GAT1 beta-1,4-glucuronyltransferase 1 [Homo sapiens (human)]
Official Symbol	B4GAT1
Synonyms	B4GAT1; beta-1,4-glucuronyltransferase 1; iGAT; iGNT; B3GNT1; B3GNT6; B3GN-T1; MDDGA13; BETA3GNTI; beta-1,4-glucuronyltransferase 1; N-acetyllactosaminide beta-1,3-N-acetylglucosaminyltransferase; UDP-GlcNAc:betaGal beta-1,3-N-acetylglucosaminyltransferase 1; UDP-GlcNAc:betaGal beta-1,3-N-acetylglucosaminyltransferase 6; beta-1,3-N-acetylglucosaminyltransferase bGnT-6; i-beta-1,3-N-acetylglucosaminyltransferase; poly-N-acetyllactosamine extension enzyme; EC 2.4.1.149
Gene ID	11041
mRNA Refseq	NM_006876
Protein Refseq	NP_006867
MIM	605517

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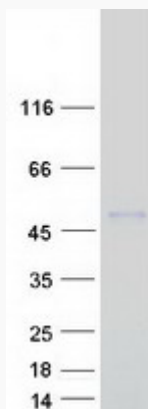
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UniProt ID

O43505

SDS-PAGE

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