

Product datasheet for TP300256

B4GAT1 (NM_006876) Human Recombinant Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Recombinant protein of human UDP-GlcNAc:betaGal beta-1,3-N-acetylglucosaminyltransferase 1 (B3GNT1), 20 µg
Species:	Human
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>RC200256 protein sequence Red=Cloning site Green=Tags(s)

MQMSYAIRCAFYQLLLAALMLVAMLQLLYLSLLSGLHGQEEQDQYFEFFPPSPRSVDQVKAQLRTALASG
GVLASGDYRVYRGLLKTTMDPNDVILATHASVDNLLHLSGLLERWEGPLSVSVFAATKEEAQLATVLAY
ALSSHCPDMRARVAMHLVCPSTRYEA AVDPREPGEFALLRSCQEVFDKLARVAQP GINYALGTNVSYPNN
LLRNLA REGANYALVIDVDMVPSEGLWRGLREMLDQSNQWGGTALVVP AFEIRRARRMPMNKNELVQL
YQ
VGEVRPFYGLCTPCQAPTNYSRWVNLPEESLLRPAYVVPWQDPWEPFYVAGGKVPTFDERFRQYGFNRI
SQACELHVAGDFEVLNEGFLVHKGFKEALKFHPQKEAENQH NKILYRQFKQELKAKYPNSPRRC

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

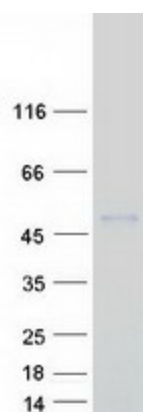
Tag:	C-Myc/DDK
Predicted MW:	46.9 kDa
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol
Preparation:	Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.
Note:	For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process.
Storage:	Store at -80°C.
Stability:	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.



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RefSeq:	NP_006867
Locus ID:	11041
UniProt ID:	O43505
RefSeq Size:	2077
Cytogenetics:	11q13.2
RefSeq ORF:	1245
Synonyms:	B3GN-T1; B3GNT1; B3GNT6; BETA3GNTI; iGAT; iGNT; MDDGA13
Summary:	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 poly-N-acetyllactosamine, a determinant for the blood group i antigen. [provided by RefSeq, Jul 2008]
Protein Families:	Transmembrane
Protein Pathways:	Glycosphingolipid biosynthesis - lacto and neolacto series, Keratan sulfate biosynthesis, Metabolic pathways

Product images:



Coomassie blue staining of purified B4GAT1 protein (Cat# TP300256). The protein was produced from HEK293T cells transfected with B4GAT1 cDNA clone (Cat# [RC200256]) using MegaTran 2.0 (Cat# [TT210002]).