

Product datasheet for PH300256

B4GAT1 (NM_006876) Human Mass Spec Standard

Product data:

Product Type:	Mass Spec Standards
Description:	B3GNT1 MS Standard C13 and N15-labeled recombinant protein (NP_006867)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC200256
Predicted MW:	47.1 kDa
Protein Sequence:	>RC200256 protein sequence Red=Cloning site Green=Tags(s)

MQMSYAIRCAFYQLLLAALMLVAMLQLLYL SLLSGLHGQEEQDQYFEFFPPSPRSVDQVKAQLRTALASG
GVL DASGDYRVYRGLLKTTPNDVILATHASVDNLLHLSGLLERWEGPLSVSVFAATKEEAQLATV LAY
ALSSHCPDMRARVAMHLVCPSTRYEA AVDPREPGEFALLRSCQEVFDKLARVAQPGINYLGTNVSYPNN
LLRNLAREGANYALVIDVDMVPEGLWRGLREMLDQSNQWGGTALVVP AFEIRRARRMPMNKNELVQLYQ
VGEVRPFYYGLCTPCQAPTNYSRWNLPEESLLRPAYVVPWQDPWEPFYVAGGKVPTFDERFRQYGFNRI
SQACELHVAGDFEVLNEGFLVHKGFKEALKFHPQKEAENQHNIKILYRQFKQELKAKYPNSPRRC

TRTRPLEQKLI SEEDLAANDILDYKDDDDKV

Tag:	C-Myc/DDK
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Labeling Method:	Labeled with [U- ¹³ C ₆ , ¹⁵ N ₄]-L-Arginine and [U- ¹³ C ₆ , ¹⁵ N ₂]-L-Lysine
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3
Storage:	Store at -80°C. Avoid repeated freeze-thaw cycles.
Stability:	Stable for 3 months from receipt of products under proper storage and handling conditions.
RefSeq:	<u>NP_006867</u>
RefSeq Size:	2077
RefSeq ORF:	1245
Synonyms:	B3GN-T1; B3GNT1; B3GNT6; BETA3GNTI; iGAT; iGNT; MDDGA13
Locus ID:	11041



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UniProt ID: [O43505](#), [A0A024R5F9](#)

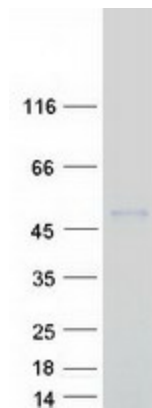
Cytogenetics: 11q13.2

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]).