

Product datasheet for **TP300256M**

B4GAT1 (NM_006876) Human Recombinant Protein

Product data:

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|---------------------------------------|---|
| Product Type: | Recombinant Proteins |
| Description: | Recombinant protein of human UDP-GlcNAc:betaGal beta-1,3-N-acetylglucosaminyltransferase 1 (B3GNT1), 100 µg |
| Species: | Human |
| Expression Host: | HEK293T |
| Expression cDNA Clone or AA Sequence: | >RC200256 protein sequence Red =Cloning site Green =Tags(s) |

MQMSYAIRCAFYQLLLAALMLVAMLQLLYLSLLSGLHGQEEQDQYFEFFPPSPRSVDQVKAQLRTALASG
GVLASGDYRVYRGLLKTTMDPNDVILATHASVDNLLHLSGLLERWEGPLSVSVFAATKEEAQLATVLA
ALSSHCPDMRARVAMHLVCPSTRYEA AVDPREPGEFALLRSCQEVFDKLARVAQPGINYALGTNVSYPNN
LLRNLAREGANALVIDVDMVPSEGLWRGLREMLDQSNQWGGTALVWPAFEIRRARRMPMNKNELVQLYQ
VGEVRPFYYGLCTPCQAPTNYSRWVNLPEESLLRPAYVVPWQDPWEPFYVAGGKVPTFDERFRQYGFNRI
SQACELHVAGFDFEVLNEGFLVHKGFKEALKFHPQKEAENQH NKILYRQFKQELKAKYPNSPRRC

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

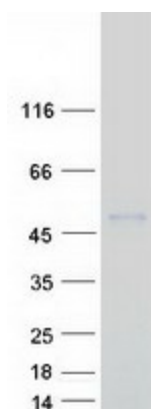
| | |
|----------------|--|
| Tag: | C-Myc/DDK |
| Predicted MW: | 46.9 kDa |
| Concentration: | >0.05 µg/µL as determined by microplate BCA method |
| Purity: | > 80% as determined by SDS-PAGE and Coomassie blue staining |
| Buffer: | 25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol |
| Preparation: | 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. |
| RefSeq: | NP_006867 |



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| | |
|-------------------|---|
| Locus ID: | 11041 |
| UniProt ID: | O43505 , A0A024R5F9 |
| 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]).