

Product datasheet for TP303223M

OriGene Technologies, Inc.

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B3GAT3 (NM 012200) Human Recombinant Protein

Product data:

Product Type: Recombinant Proteins

Description: Recombinant protein of human beta-1,3-glucuronyltransferase 3 (glucuronosyltransferase I)

(B3GAT3), 100 µg

Species: Human
Expression Host: HEK293T

Expression cDNA >RC203223 representing NM_012200
Clone or AA Red=Cloning site Green=Tags(s)

Sequence:

MKLKLKNVFLAYFLVSIAGLLYALVQLGQPCDCLPPLRAAAEQLRQKDLRISQLQAELRRPPPAPAQPPE PEALPTIYVVTPTYARLVQKAELVRLSQTLSLVPRLHWLLVEDAEGPTPLVSGLLAASGLLFTHLVVLTP

KAQRLREGEPGWVHPRGVEQRNKALDWLRGRGGAVGGEKDPPPPGTQGVVYFADDDNTYSRELFEEMRWT RGVSVWPVGLVGGLRFEGPQVQDGRVVGFHTAWEPSRPFPVDMAGFAVALPLLLDKPNAQFDSTAPRGHL

ESSLLSHLVDPKDLEPRAANCTRVLVWHTRTEKPKMKQEEQLQRQGRGSDPAIEV

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Tag: C-Myc/DDK

Predicted MW: 36.9 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.

RefSeg: NP 036332

Locus ID: 26229



B3GAT3 (NM_012200) Human Recombinant Protein - TP303223M

UniProt ID: <u>O94766</u>

RefSeq Size: 1456

Cytogenetics: 11q12.3 RefSeq ORF: 1005

Synonyms: GLCATI; glcUAT-I; JDSCD

Summary: The protein encoded by this gene is a member of the glucuronyltransferase gene family, enzymes

that exhibit strict acceptor specificity, recognizing nonreducing terminal sugars and their

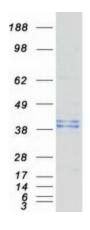
anomeric linkages. This gene product catalyzes the formation of the glycosaminoglycan-protein linkage by way of a glucuronyl transfer reaction in the final step of the biosynthesis of the linkage region of proteoglycans. A pseudogene of this gene has been identified on chromosome 3.

[provided by RefSeq, Dec 2013]

Protein Families: Transmembrane

Protein Pathways: Chondroitin sulfate biosynthesis, Heparan sulfate biosynthesis, Metabolic pathways

Product images:



Coomassie blue staining of purified B3GAT3 protein (Cat# [TP303223]). The protein was produced from HEK293T cells transfected with B3GAT3 cDNA clone (Cat# [RC203223]) using MegaTran 2.0 (Cat# [TT210002]).