

Product datasheet for **TP303223L**

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), 1 mg
Species:	Human
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>RC203223 representing NM_012200 Red =Cloning site Green =Tags(s) MKLKLKNVFLAYFLVSIAGLLYALVQLGQPCDCLPPLRAAAEQLRQKDLRISQLQAELRRPPPAPAQPPE PEALPTIYVVTPTYARLVQKAEVRLSQTLSLVPRLHWLLVEDAEGPTPLVSGLLAASGLLFTHLVVLT KAQRLREGEPGWVHPRGVEQRNKALDWLRGRGGAVGGEKDPPTGQGVYFADDDNTYSRELFEEMRWT RGVSVWPVGLVGGVLRFEQPQVQDGRVWGFHTAWEPSRPFVDMAGFAVALPLLLDKPNAQFDSTAPRGHL 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.
RefSeq:	NP_036332
Locus ID:	26229



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UniProt ID: [O94766](#)

RefSeq Size: 1456

Cytogenetics: 11q12.3

RefSeq ORF: 1005

Synonyms: GLCAT1; glcUAT-1; 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]).