

Product datasheet for PH303223

B3GAT3 (NM_012200) Human Mass Spec Standard

Product data:

Product Type:	Mass Spec Standards
Description:	B3GAT3 MS Standard C13 and N15-labeled recombinant protein (NP_036332)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC203223
Predicted MW:	36.9 kDa
Protein Sequence:	>RC203223 representing NM_012200 Red=Cloning site Green=Tags(s) MKLKLKKNVFLAYFLVSIAGLLYALVQLGQPCDCLPPLRAAAEQLRQKDLRISQLQAE LRRPPAPAPQPE PEALPTIYVVTPTYARLVQKAELVRLSQTLSLVPRLHWLLVEDAEGTPLYSGLLAASGLLFTHLVVLT KAQRLREGEPGWVHPRGVEQRNKALDWLRGRGGAVGGEKDP PPPGTQGVVYFADDNTYSRELFEE MRWT RGVSVWPVGLVGGLRFEGPQVQDGRVVG FHTAWEPSRPFVDMAGFAVALPLLLDKPNAQFDSTAPRGL ESSLLSHLVDPKDLEPRAANCTRVLVWHTRTEKPKMKQEEQLQRQGRGSDPAIEV 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:	NP_036332
RefSeq Size:	1456
RefSeq ORF:	1005
Synonyms:	GLCATI; glcUAT-I; JDSCD
Locus ID:	26229



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UniProt ID: [O94766](#)

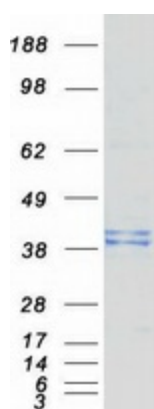
Cytogenetics: 11q12.3

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]).