

# **Product datasheet for TP303223L**

#### 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), 1 mg

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 - TP303223L

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

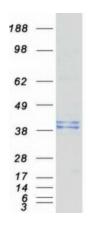
anomeric linkages. This gene product catalyzes the formation of the glycosaminoglycan-protein linkage by way of a glucuronyl transfer reaction in the final step of the biosynthesis of the linkage region of proteoglycans. A pseudogene of this gene has been identified on chromosome 3.

[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]).