

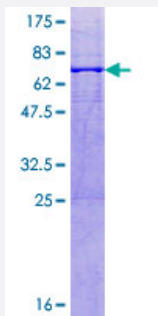
Full-Length

B3GAT3 (Human) Recombinant Protein (P01)

Catalog # H00026229-P01

Size 25 ug, 10 ug

Applications



Specification

Product Description

Human B3GAT3 full-length ORF (NP_036332.2, 1 a.a. - 335 a.a.) recombinant protein with GST-tag at N-terminal.

Sequence

MKLKLNKVFLLAYFLVSIAGLLYALVQLGQPCDCLPPLRAAAEQLRQKDLRISQLQAELRRPPPAPAPQPEPEALPTYVVTPTYARLVQKAELVRLSQTLSLVPRLHWLLVEDAEGPTPLVSGLLAASGLLFTHLVVLTPKAQRLREGEPGWVHPRGVEQRNKALDWLRGRGGAVGGEKDP PPPGTQGVVYFADDDNTYSRELFEEMRWTRGVSVPVGLVGGGLRFEGPQVQDGRVVGFHTAWEPSRPFPVDMAGFAVALPLLLDKPNAQFDSTAPRGHLESSLLSHLVDPKDLEPRAANCTRLVWHTRTEKPKMKQE EQLQRQGRGSDPAIEV

Host

Wheat Germ (in vitro)

Theoretical MW (kDa)

63.5

Interspecies Antigen Sequence

Mouse (95); Rat (95)

Preparation Method

[in vitro wheat germ expression system](#)

Purification

Glutathione Sepharose 4 Fast Flow

Quality Control Testing

12.5% SDS-PAGE Stained with Coomassie Blue.

Storage Buffer

50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.

Storage Instruction

Store at -80°C. Aliquot to avoid repeated freezing and thawing.

Note

Best use within three months from the date of receipt of this protein.

Applications

- Enzyme-linked Immunoabsorbent Assay
- Western Blot (Recombinant protein)
- Antibody Production
- Protein Array

Gene Info — B3GAT3

Entrez GeneID[26229](#)**GeneBank Accession#**[NM_012200.2](#)**Protein Accession#**[NP_036332.2](#)**Gene Name**

B3GAT3

Gene Alias

GLCATI, GlcAT-I

Gene Description

beta-1,3-glucuronyltransferase 3 (glucuronosyltransferase I)

Omim ID[606374](#)**Gene Ontology**[Hyperlink](#)**Gene 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. [provided by RefSeq]

Other Designations

Sqv-8-like protein|beta-1,3-glucuronyltransferase 3|galactosylgalactosylxylosylprotein 3-beta-glucuronosyltransferase|glucuronosyltransferase I

Pathway

- [Chondroitin sulfate biosynthesis](#)
- [Heparan sulfate biosynthesis](#)
- [Metabolic pathways](#)