

B3GAT3 Protein, Human (His)

Cat. No.:	HY-P7626
Synonyms:	rHuB3GAT3, His; B3GAT3; Beta-1,3-Glucuronyltransferase 3;
Species:	Human
Source:	E. coli
Accession:	O94766 (E72-V335)
Gene ID:	26229
Molecular Weight:	31-34 kDa

PROPERTIES

AA Sequence	<pre> E A L P T I Y V V T P T Y A R L V Q K A E L V R L S Q T L S L V P R L H W L L V E D A E G P T P L V S G L L A A S G L L F T H L V V L T P K A Q R L R E G E P G W V H P R G V E Q R N K A L D W L R G R G G A V G G E K D P P P P G T Q G V V Y F A D D D N T Y S R E L F E E M R W T R G V S V W P V G L V G G L R F E G P Q V Q D G R V V G F H T A W E P S R P F P V D M A G F A V A L P L L L D K P N A Q F D S T A P R G H L E S S L L S H L V D P K D L E P R A A N C T R V L V W H T R T E K P K M K Q E E Q L Q R Q G R G S D P A I E V H H H H H H </pre>
Biological Activity	Data is not available.
Appearance	Solution
Formulation	Supplied as a 0.2 µm filter solution of 20 mM Tris, 150 mM NaCl, 2 mM EDTA, 20% Glycerol, pH 8.0.
Endotoxin Level	<1 EU/µg, determined by LAL method.
Reconstitution	N/A
Storage & Stability	Stored at -80°C. It is stable at -20°C for 3 months after opening. It is recommended to freeze aliquots at -80°C for extended storage. Avoid repeated freeze-thaw cycles.
Shipping	Shipping with dry ice.

DESCRIPTION

Background	Beta-1,3-Glucuronyltransferase 3 (Glucuronosyltransferase I) (B3GAT3) transfers GlcA from UDP-GlcA to the trisaccharide-serine, Galβ1-3Galβ1-4Xylβ1-O-Ser, to form the glycosaminoglycan (GAG)-protein linkage region, GlcAβ1-3Galβ1-3Galβ1-4Xylβ1-O-Ser, common to various proteoglycans ^[1] .
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REFERENCES

[1]. A R Jeffries, et al. beta-1,3-Glucuronyltransferase-1 gene implicated as a candidate for a schizophrenia-like psychosis through molecular analysis of a balanced translocation. Mol Psychiatry. 2003 Jul;8(7):654-63.

Caution: Product has not been fully validated for medical applications. For research use only.

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