

## B3GAT3 Protein, Human (N-His)

Cat. No.:	HY-P700269
Synonyms:	rHuB3GAT3, His; B3GAT3; Beta-1,3-Glucuronyltransferase 3;
Species:	Human
Source:	E. coli
Accession:	NP_036332.2 (E72-V335)
Gene ID:	26229
Molecular Weight:	Approximately 33 kDa

### PROPERTIES

Biological Activity	The enzyme activity of this recombinant protein is testing in progress, we cannot offer a guarantee yet.
Appearance	Lyophilized powder.
Formulation	Lyophilized from a 0.2 $\mu$ m filtered solution of PBS, pH 7.4 . Normally 5 % - 8 % trehalose, mannitol and 0.01% Tween 80 are added as protectants before lyophilization.
Endotoxin Level	<1 EU/ $\mu$ g, determined by LAL method.
Reconstitution	It is not recommended to reconstitute to a concentration less than 100 $\mu$ g/mL in ddH <sub>2</sub> O.
Storage & Stability	Stored at -20°C for 2 years. After reconstitution, it is stable at 4°C for 1 week or -20°C for longer (with carrier protein). It is recommended to freeze aliquots at -20°C or -80°C for extended storage.
Shipping	Room temperature in continental US; may vary elsewhere.

### DESCRIPTION

Background	B3GAT3, a member of the glucuronyltransferase gene family, plays a crucial role in the biosynthesis of proteoglycans by catalyzing the final step of glycosaminoglycan-protein linkage formation. This enzyme exhibits strict acceptor specificity, recognizing nonreducing terminal sugars and their anomeric linkages. A pseudogene related to B3GAT3 has been identified on chromosome 3. The expression of B3GAT3 is widespread, demonstrating ubiquity across various tissues, including the brain, lymph nodes, and 25 other tissues, underscoring its significance in diverse physiological contexts.
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**Caution: Product has not been fully validated for medical applications. For research use only.**

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