

Recombinant Mouse B3gat3 Protein, Myc/DDK-tagged

Cat. No. B3gat3-1801M Lot. No. (See product label)

SPECIFICATION

Product Overview	Purified recombinant protein of mouse full-length beta-1,3-glucuronyltransferase 3 (glucuronosyltransferase I) (B3gat3), with C-terminal MYC/DDK tag, expressed in HEK293T cells.
Species	Mouse
Source	HEK293
Description	Glycosaminoglycans biosynthesis. Involved in forming the linkage tetrasaccharide present in heparan sulfate and chondroitin sulfate. Transfers a glucuronic acid moiety from the uridine diphosphate-glucuronic acid (UDP-GlcUA) to the common linkage region trisaccharide Gal-beta-1,3-Gal-beta-1,4-Xyl covalently bound to a Ser residue at the glycosaminylglycan attachment site of proteoglycans. Can also play a role in the biosynthesis of I2/HNK-1 carbohydrate epitope on glycoproteins. Stimulates 2-phosphoxylose phosphatase activity of PXYLP1 in presence of uridine diphosphate-glucuronic acid (UDP-GlcUA) during completion of linkage region formation.
Molecular Mass	37.1 kDa
Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining
Stability	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
Storage	Store at -80 centigrade after receiving vials.

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Concentration >50 µg/mL as determined by microplate BCA method

Storage Buffer 25 mM Tris.HCl, pH 7.3, 100 mM glycine, 10% glycerol.

GENE INFORMATION

Gene Name B3gat3 beta-1,3-glucuronyltransferase 3 (glucuronosyltransferase I) [Mus musculus (house mouse)]

Official Symbol B3gat3

Synonyms B3GAT3; beta-1,3-glucuronyltransferase 3 (glucuronosyltransferase I); galactosylgalactosylxylosylprotein 3-beta-glucuronosyltransferase 3; glcAT-I; glcUAT-I; glucuronyltransferase I; glucuronosyltransferase I; glucuronosyltransferase-I; UDP-GlcUA:Gal beta-1,3-Gal-R glucuronyltransferase; 2810405M13Rik

Gene ID 72727

mRNA Refseq NM_024256

Protein Refseq NP_077218

UniProt ID P58158

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