

Active Recombinant Human GALNT11 Protein, His-tagged

Cat. No. GALNT11-001H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Polypeptide GalNAc Transferase 11/GALNT11 protein (Phe30-Gly608) with C-terminal 6-His tag was expressed in Chinese Hamster Ovary cell line.
Species	Human
Source	CHO
ProteinLength	30-608 a.a.
Description	Catalyzes the initial reaction in O-linked oligosaccharide biosynthesis, the transfer of an N-acetyl-D-galactosamine residue to a serine or threonine residue on the protein receptor. Displays the same enzyme activity toward Muc1, Muc4.1, and EA2 than GALNT1. Does not appear to be involved in glycosylation of erythropoietin.
Predicted N Terminal	Phe30
Bio-activity	Measured by its ability to transfer GalNAc from UDP-GalNAc to peptide EA2 from AnaSpec, Inc. The specific activity is >75 pmol/min/μg.
Molecular Mass	66 kDa
Endotoxin	<1.0 EU per 1 μg of the protein by the LAL method.
Purity	>95%, by SDS-PAGE visualized with Silver Staining and quantitative densitometry by Coomassie® Blue Staining.

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Storage	Use a manual defrost freezer and avoid repeated freeze-thaw cycles. 6 months from date of receipt, -20 to -70 centigrade as supplied. 3 months, -20 to -70 centigrade under sterile conditions after opening.
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Storage Buffer	Supplied as a 0.2 µm filtered solution in Tris and NaCl.
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Shipping	The product is shipped with polar packs.
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GENE INFORMATION

Gene Name	GALNT11 polypeptide N-acetylgalactosaminyltransferase 11 [Homo sapiens (human)]
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Official Symbol	GALNT11
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Synonyms	EC 2.4.1.41; FLJ21634; GalNAc-T11; GALNT11; MGC71630; Polypeptide GalNAc transferase 11; polypeptide N-acetylgalactosaminyltransferase 11; Pp-GaNTase 11; Protein-UDP acetylgalactosaminyltransferase 11; UDP-GalNAc:polypeptide N-acetylgalactosaminyltransferase 11; UDP-N-acetyl-alpha-D-galactosamine:polypeptideN-acetylgalactosaminyltransferase 11 (GalNAc-T11)
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Gene ID	63917
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mRNA Refseq	NM_022087
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Protein Refseq	NP_071370
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MIM	615130
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UniProt ID	Q8NCW6
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