

Recombinant Human GALNT9 293 Cell Lysate

Cat. No. GALNT9-6033HCL **Lot. No.** (See product label)

SPECIFICATION

Product Overview

Species	Human
Source	HEK293
Description	Antigen standard for UDP-N-acetyl-alpha-D-galactosamine:polypeptide N-acetylgalactosaminyltransferase 9 (GalNAc-T9) (GALNT9), transcript variant B is a lysate prepared from HEK293T cells transiently transfected with a TrueORF gene-carrying pCMV plasmid and then lysed in RIPA Buffer. Protein concentration was determined using a colorimetric assay. The antigen control carries a C-terminal Myc/DDK tag for detection.
Components	This product includes 3 vials: 1 vial of gene-specific cell lysate, 1 vial of control vector cell lysate, and 1 vial of loading buffer. Each lysate vial contains 0.1 mg lysate in 0.1 ml (1 mg/ml) of RIPA Buffer (50 mM Tris-HCl pH7.5, 250 mM NaCl, 5 mM EDTA, 50 mM NaF, 1% NP40). The loading buffer vial contains 0.5 ml 2X SDS Loading Buffer (125 mM Tris-Cl, pH6.8, 10% glycerol, 4% SDS, 0.002% Bromophenol blue, 5% beta-mercaptoethanol).
Size	0.1 mg
Storage Instruction	Store at -80°C. Minimize freeze-thaw cycles. After addition of 2X SDS Loading Buffer, the lysates can be stored at -20°C. Product is guaranteed 6 months from the date of shipment.

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Applications

ELISA, WB, IP. WB: Mix equal volume of lysates with 2X SDS Loading Buffer. Boil the mixture for 10 min before loading (for membrane protein lysates, incubate the mixture at room temperature for 30 min). Load 5 ug lysate per lane.

GENE INFORMATION
Gene Name

GALNT9 UDP-N-acetyl-alpha-D-galactosamine:polypeptide N-acetylgalactosaminyltransferase 9 (GalNAc-T9) [Homo sapiens]

Official Symbol

GALNT9

Synonyms

GALNT9; UDP-N-acetyl-alpha-D-galactosamine:polypeptide N-acetylgalactosaminyltransferase 9 (GalNAc-T9); polypeptide N-acetylgalactosaminyltransferase 9; GALNAC T9; pp-GaNTase 9; GalNAc transferase 9; polypeptide GalNAc transferase 9; protein-UDP acetylgalactosaminyltransferase 9; UDP-GalNAc:polypeptide N-acetylgalactosaminyltransferase 9; UDP-GalNAc:polypeptide N-acetylgalactosaminyltransferase 9; GALNAC-T9;

Gene ID

50614

mRNA Refseq

NM_001122636

Protein Refseq

NP_001116108

MIM

606251

UniProt ID

Q9HCQ5

Chromosome Location

12q24.33

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Pathway

Metabolic pathways, organism-specific biosystem; Metabolism of proteins, organism-specific biosystem; Mucin type O-Glycan biosynthesis, organism-specific biosystem; Mucin type O-Glycan biosynthesis, conserved biosystem; O-glycan biosynthesis, mucin type core, organism-specific biosystem; O-glycan biosynthesis, mucin type core, conserved biosystem; O-linked glycosylation of mucins, organism-specific biosystem;

Function

polypeptide N-acetylgalactosaminyltransferase activity; sugar binding; transferase activity, transferring glycosyl groups;

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