

Recombinant Human GCNT3 293 Cell Lysate

Cat. No. GCNT3-5978HCL **Lot. No.** (See product label)

SPECIFICATION

Species	Human
Source	HEK293
Description	Antigen standard for glucosaminyl (N-acetyl) transferase 3, mucin type (GCNT3) 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.
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

 Tel: 1-631-559-9269 1-516-512-3133

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mixture at room temperature for 30 min). Load 5 ug lysate per lane.

GENE INFORMATION

Gene Name [GCNT3 glucosaminyl \(N-acetyl\) transferase 3, mucin type \[Homo sapiens \]](#)

Official Symbol [GCNT3](#)

Synonyms [GCNT3](#); [glucosaminyl \(N-acetyl\) transferase 3, mucin type](#); [beta-1,3-galactosyl-O-glycosyl-glycoprotein beta-1,6-N-acetylglucosaminyltransferase 3](#); [C2/4GnT](#); [C2GnT M](#); [C2GnT2](#); [hC2GnT-M](#); [C2GnT-mucin type](#); [beta1,6GlcNAc-transferase](#); [beta1,6-N-acetylglucosaminyltransferase-M](#); [core 2/core 4 beta-1,6-N-acetylglucosaminyltransferase](#); [mucus-type core 2 beta-1,6-N-acetylglucosaminyltransferase](#); [GNTM](#); [C24GNT](#); [C2GNT2](#); [C2GNTM](#);

Gene ID [9245](#)

mRNA Refseq [NM_004751](#)

Protein Refseq [NP_004742](#)

MIM [606836](#)

UniProt ID [O95395](#)

Chromosome Location [15q22](#)

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](#),

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mucin type core, organism-specific biosystem; O-glycan biosynthesis, mucin type core, conserved biosystem; O-linked glycosylation of mucins, organism-specific biosystem;

Function

N-acetyllactosaminide beta-1,6-N-acetylglucosaminyltransferase activity; beta-1,3-galactosyl-O-glycosyl-glycoprotein beta-1,6-N-acetylglucosaminyltransferase activity; transferase activity, transferring glycosyl groups;

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