Recombinant Human GNPTG 293 Cell Lysate

Cat. No. GNPTG-5840HCL **Lot. No.** (See product label)

SPECIFICATION

Product Overview	
Species	Human
Source	HEK293
Description	Antigen standard for N-acetylglucosamine-1-phosphate transferase, gamma subunit (GNPTG) is a lysate prepared from HEK293T cells transiently transfected with a True ORF gene-carrying pCMV plasmid and then lysed in RIPA Buffer. Protein concentrati on was determined using a colorimetric assay. The antigen control carries a C-termin al 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	GNPTG N-acetylglucosamine-1-phosphate transferase, gamma subunit [Homo sapiens]
Official Symbol	GNPTG
Synonyms	GNPTG; N-acetylglucosamine-1-phosphate transferase, gamma subunit; C16orf27, chromosome 16 open reading frame 27 , GNPTAG, N acetylglucosamine 1 phosphotransferase, gamma subunit; N-acetylglucosamine-1-phosphotransferase subunit gamma; c316G12.3; CAB56184; GlcNAc phosphotransferase gamma subunit; glcNAc-1-phosphotransferase subunit gamma; UDP-N-acetylglucosamine-1-phosphotransferase subunit gamma; RJD9; GNPTAG; LP2537; C16orf27;
Gene ID	84572
mRNA Refseq	NM_032520
Protein Refseq	NP_115909
MIM	607838
UniProt ID	Q9UJJ9
Chromosome Location	16p13.3

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Pathway	Lysosome, organism-specific biosystem; Lysosome, conserved biosystem;

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