Recombinant Human ALG14 293 Cell Lysate

Cat. No. ALG14-8907HCL **Lot. No.** (See product label)

SPECIFICATION

Product Overview	
Species	Human
Source	HEK293
Description	Antigen standard for asparagine-linked glycosylation 14 homolog (S. cerevisiae) (ALG14) 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	ALG14 asparagine-linked glycosylation 14 homolog (S. cerevisiae) [Homo sapiens]
Official Symbol	ALG14
Synonyms	asparagine-linked glycosylation 14 homolog (S. cerevisiae); MGC19780; asparagine-linked glycosylation 14 homolog (yeast); UDP-N-acetylglucosamine transferase subunit ALG14 homolog; ALG14
Gene ID	199857
mRNA Refseq	NM_144988.3
Protein Refseq	NP_659425.1
MIM	612866
UniProt ID	Q96F25
Chromosome Location	1p21.3
Pathway	Asparagine N-linked glycosylation, organism-specific biosystem; Biosynthesis of the N-glycan precursor (dolichol lipid-linked oligosaccharide, LLO) and transfer to a nascent protein, organism-specific biosystem; Metabolism of proteins, organism-specific biosystem; N-Glycan biosynthesis, organism-specific biosystem; N-Glycan

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	biosynthesis, conserved biosystem; N-glycan precursor biosynthesis, organism-specific biosystem; N-glycan precursor biosynthesis, conserved biosystem;

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