

Recombinant Human GLYR1 293 Cell Lysate

Cat. No. GLYR1-5886HCL **Lot. No.** (See product label)

SPECIFICATION

Product Overview

Species	Human
Source	HEK293
Description	Antigen standard for glyoxylate reductase 1 homolog (Arabidopsis) (GLYR1) 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 GLYR1 glyoxylate reductase 1 homolog (Arabidopsis) [Homo sapiens]

Official Symbol GLYR1

Synonyms GLYR1; glyoxylate reductase 1 homolog (Arabidopsis); putative oxidoreductase GLYR1; BM045; HIBDL; N PAC; NP60; nuclear protein 60kDa; nuclear protein NP60; nuclear protein 60 kDa; nuclear protein of 60 kDa; cytokine-like nuclear factor n-pac; 3-hydroxyisobutyrate dehydrogenase-like protein; N-PAC;

Gene ID 84656

mRNA Refseq NM_032569

Protein Refseq NP_115958

MIM 610660

UniProt ID Q49A26

Chromosome Location 16p13.3

Function DNA binding; coenzyme binding; methylated histone residue binding; nucleotide binding; oxidoreductase activity; phosphogluconate dehydrogenase (decarboxylating) activity;

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