

Recombinant Human PIR 293 Cell Lysate

Cat. No. PIR-3169HCL **Lot. No.** (See product label)

SPECIFICATION

Product Overview

Species	Human
Source	HEK293
Description	Antigen standard for pirin (iron-binding nuclear protein) (PIR), transcript variant 2 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 PIR pirin (iron-binding nuclear protein) [Homo sapiens]

Official Symbol PIR

Synonyms PIR; pirin (iron-binding nuclear protein); pirin; probable quercetinase; probable quercetin 2,3-dioxygenase PIR;

Gene ID 8544

mRNA Refseq NM_001018109

Protein Refseq NP_001018119

MIM 603329

UniProt ID O00625

Chromosome Location Xp22.31

Function metal ion binding; oxidoreductase activity; protein binding; quercetin 2,3-dioxygenase activity; transcription cofactor activity;

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