

Recombinant Human PPA2 293 Cell Lysate

Cat. No. PPA2-2994HCL **Lot. No.** (See product label)

SPECIFICATION

Product Overview

Species	Human
Source	HEK293
Description	Antigen standard for pyrophosphatase (inorganic) 2 (PPA2), nuclear gene encoding mitochondrial protein, 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	PPA2 pyrophosphatase (inorganic) 2 [Homo sapiens]
Official Symbol	PPA2
Synonyms	PPA2; pyrophosphatase (inorganic) 2; inorganic pyrophosphatase 2, mitochondrial; FLJ20459; PPase 2; pyrophosphatase SID6-306; pyrophosphate phospho-hydrolase 2; HSPC124; SID6-306; MGC49850;
Gene ID	27068
mRNA Refseq	NM_006903
Protein Refseq	NP_008834
MIM	609988
UniProt ID	Q9H2U2
Chromosome Location	4q25
Pathway	Gene Expression, organism-specific biosystem; Mitochondrial tRNA aminoacylation, organism-specific biosystem; Oxidative phosphorylation, organism-specific biosystem; Oxidative phosphorylation, conserved biosystem; tRNA Aminoacylation, organism-specific biosystem;

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Function

hydrolase activity; inorganic diphosphatase activity; magnesium ion binding;

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