

Recombinant Human PPA1 293 Cell Lysate

Cat. No. PPA1-2995HCL Lot. No. (See product label)

SPECIFICATION

Product Overview

Species	Human
Source	HEK293
Description	Antigen standard for pyrophosphatase (inorganic) 1 (PPA1) 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

PPA1 pyrophosphatase (inorganic) 1 [Homo sapiens]

Official Symbol

PPA1

Synonyms

PPA1; pyrophosphatase (inorganic) 1; PP, pyrophosphatase (inorganic); inorganic pyrophosphatase; cytosolic inorganic pyrophosphatase; inorganic pyrophosphatase 1; IOPPP; PP1; Ppase; pyrophosphate phospho hydrolase; SID6 8061; PPase; pyrophosphatase 1; inorganic diphosphatase; diphosphate phosphohydrolase; pyrophosphate phospho-hydrolase; PP; SID6-8061; MGC111556;

Gene ID

5464

mRNA Refseq

NM_021129

Protein Refseq

NP_066952

MIM

179030

UniProt ID

Q15181

Chromosome Location

10q11.1-q24

Pathway

Cytosolic tRNA aminoacylation, organism-specific biosystem; Gene Expression, organism-specific biosystem; Hypothetical Network for Drug Addiction, organism-

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specific biosystem; Oxidative phosphorylation, organism-specific biosystem; Oxidative phosphorylation, conserved biosystem; tRNA Aminoacylation, organism-specific biosystem;

Function

hydrolase activity; inorganic diphosphatase activity; inorganic diphosphatase activity; magnesium ion binding;

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