

Recombinant Human PPAT 293 Cell Lysate

Cat. No. PPAT-2983HCL **Lot. No.** (See product label)

SPECIFICATION

Product Overview

Species	Human
Source	HEK293
Description	Antigen standard for phosphoribosyl pyrophosphate amidotransferase (PPAT) 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

PPAT phosphoribosyl pyrophosphate amidotransferase [Homo sapiens]

Official Symbol

PPAT

Synonyms

PPAT; phosphoribosyl pyrophosphate amidotransferase; amidophosphoribosyltransferase; GPAT; PRAT; glutamine PRPP amidotransferase; glutamine phosphoribosylpyrophosphate amidotransferase; glutamine phosphoribosylpyrophosphatase amidotransferase; ATASE;

Gene ID

5471

mRNA Refseq

NM_002703

Protein Refseq

NP_002694

MIM

172450

UniProt ID

Q06203

Chromosome Location

4q12

Pathway

5-aminoimidazole ribonucleotide biosynthesis I, organism-specific biosystem; Alanine, aspartate and glutamate metabolism, organism-specific biosystem; Alanine, aspartate and glutamate metabolism, conserved biosystem; Fluoropyrimidine Activity,

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organism-specific biosystem; Inosine monophosphate biosynthesis, PRPP + glutamine =>IMP, organism-specific biosystem; Inosine monophosphate biosynthesis, PRPP + glutamine =>

Function

4 iron, 4 sulfur cluster binding; amidophosphoribosyltransferase activity; metal ion binding; transferase activity, transferring glycosyl groups;

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