

Recombinant Human ITPA 293 Cell Lysate

Cat. No. ITPA-5113HCL **Lot. No.** (See product label)

SPECIFICATION

Product Overview

Species	Human
Source	HEK293
Description	Antigen standard for inosine triphosphatase (nucleoside triphosphate pyrophosphatase) (ITPA), transcript variant 1 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

ITPA inosine triphosphatase (nucleoside triphosphate pyrophosphatase) [Homo sapiens]

Official Symbol

ITPA

Synonyms

ITPA; inosine triphosphatase (nucleoside triphosphate pyrophosphatase); C20orf37; inosine triphosphate pyrophosphatase; dJ794I6.3; HLC14 06 P; NTPase; My049 protein; inosine triphosphatase-A; putative oncogene protein HLC14-06-P; nucleoside triphosphate diphosphatase; nucleoside-triphosphate diphosphatase; non-standard purine NTP pyrophosphatase; nucleoside-triphosphate pyrophosphatase; non-canonical purine NTP pyrophosphatase; inosine triphosphate pyrophosphohydrolase; ITPase; HLC14-06-P;

Gene ID

3704

mRNA Refseq

NM_033453

Protein Refseq

NP_258412

MIM

147520

UniProt ID

Q9BY32

Chromosome Location

20p

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Pathway	Drug metabolism - other enzymes, organism-specific biosystem; Drug metabolism - other enzymes, conserved biosystem; Metabolic pathways, organism-specific biosystem; Purine metabolism, organism-specific biosystem; Purine metabolism, conserved biosystem; Pyrimidine metabolism, organism-specific biosystem; Pyrimidine metabolism, conserved biosystem;
Function	hydrolase activity; metal ion binding; nucleoside-triphosphate diphosphatase activity; nucleotide binding;

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