

Recombinant Human PNP 293 Cell Lysate

Cat. No. PNP-3071HCL Lot. No. (See product label)

SPECIFICATION

Product Overview

Species	Human
Source	HEK293
Description	Antigen standard for purine nucleoside phosphorylase (PNP) 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.

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

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

PNP purine nucleoside phosphorylase [Homo sapiens]

Official Symbol

PNP

Synonyms

PNP; purine nucleoside phosphorylase; NP, nucleoside phosphorylase; PUNP; inosine phosphorylase; purine-nucleoside:orthophosphate ribosyltransferase; NP; PRO1837; FLJ94043; FLJ97288; FLJ97312; MGC117396; MGC125915; MGC125916;

Gene ID

4860

mRNA Refseq

NM_000270

Protein Refseq

NP_000261

MIM

164050

UniProt ID

P00491

Chromosome Location

14q11.2

Pathway

Metabolic pathways, organism-specific biosystem; Metabolism, organism-specific biosystem; Metabolism of nucleotides, organism-specific biosystem; Nicotinate and nicotinamide metabolism, organism-specific biosystem; Nicotinate and nicotinamide

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metabolism, conserved biosystem; Purine catabolism, organism-specific biosystem;
Purine metabolism, organism-specific biosystem;

Function

drug binding; nucleoside binding; phosphate ion binding; purine base binding; purine-
nucleoside phosphorylase activity; purine-nucleoside phosphorylase activity;

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