

Recombinant Human HPRT1 293 Cell Lysate

Cat. No. HPRT1-5398HCL **Lot. No.** (See product label)

SPECIFICATION

Product Overview

Species	Human
Source	HEK293
Description	Antigen standard for hypoxanthine phosphoribosyltransferase 1 (HPRT1) 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

HPRT1 hypoxanthine phosphoribosyltransferase 1 [Homo sapiens]

Official Symbol

HPRT1

Synonyms

HPRT1; hypoxanthine phosphoribosyltransferase 1; HPRT; hypoxanthine-guanine phosphoribosyltransferase; HGPRT; Lesch Nyhan syndrome; HGPRTase;

Gene ID

3251

mRNA Refseq

NM_000194

Protein Refseq

NP_000185

MIM

308000

UniProt ID

P00492

Chromosome Location

Xq26.2

Pathway

Drug metabolism - other enzymes, organism-specific biosystem; Drug metabolism - other enzymes, conserved biosystem; Metabolic pathways, organism-specific biosystem; Metabolism, organism-specific biosystem; Metabolism of nucleotides, organism-specific biosystem; Nucleotide Metabolism, organism-specific biosystem; Purine metabolism, organism-specific biosystem;

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Function

guanine phosphoribosyltransferase activity; hypoxanthine phosphoribosyltransferase activity; hypoxanthine phosphoribosyltransferase activity; magnesium ion binding; nucleotide binding; NOT phosphoglucomutase activity; protein binding; protein homodimerization activity; transferase activity, transferring glycosyl groups;

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