

Recombinant Human APRT cell lysate

Cat. No. APRT-102HCL **Lot. No.** (See product label)

SPECIFICATION

Product Overview

Species	Human
Description	Adenine phosphoribosyltransferase belongs to the purine/pyrimidine phosphoribosyltransferase family. A conserved feature of this gene is the distribution of CpG dinucleotides. This enzyme catalyzes the formation of AMP and inorganic pyrophosphate from adenine and 5-phosphoribosyl-1-pyrophosphate (PRPP). It also produces adenine as a by-product of the polyamine biosynthesis pathway. A homozygous deficiency in this enzyme causes 2,8-dihydroxyadenine urolithiasis. Two transcript variants encoding different isoforms have been found for this gene.
Size	100 ul
Storage Buffer	1X Sample Buffer (50 mM Tris-HCl, 2% SDS, 10% glycerol, 300 mM 2-mercaptoethanol, 0.01% Bromophenol blue)
Applications	Western Blot;

GENE INFORMATION

Gene Name	APRT adenine phosphoribosyltransferase [Homo sapiens]
Official Symbol	APRT
Synonyms	APRT; adenine phosphoribosyltransferase; AMP diphosphorylase; AMP

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	pyrophosphorylase; transphosphoribosidase; AMP; MGC125856; MGC125857; MGC129961; DKFZp686D13177;
Gene ID	353
mRNA Refseq	NM_000485
Protein Refseq	NP_000476
UniProt ID	P07741
Chromosome Location	16q24
Pathway	Metabolic pathways, organism-specific biosystem; Metabolism, organism-specific biosystem; Metabolism of nucleotides, organism-specific biosystem; Purine metabolism, organism-specific biosystem; Purine metabolism, organism-specific biosystem; Purine metabolism, conserved biosystem; Purine salvage, organism-specific biosystem;
Function	AMP binding; adenine binding; adenine phosphoribosyltransferase activity; transferase activity, transferring glycosyl groups;