Recombinant Human APRT protein, His-tagged

Cat. No. APRT-20H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human APRT, fused with N-His, was expressed in E. coli.
Species	Human
Source	E.coli
ProteinLength	195aa(including fusion tag)
Description	Adenine phosphoribosyltransferase belongs to purine/pyrimidine phosphoribosyltransferase family. 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.
Form	20mM Tris.Cl, 50mM NaCl, 50% Glycerol, pH8.0.
Molecular Mass	21.5kDa(including fusion tag)
Applications	WB, ELISA, IP, antibody production, protein array
Storage	Store at -80°C and avoid repeated freeze-thaw cycles.

GENE INFORMATION

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Gene Name	APRT adenine phosphoribosyltransferase [Homo sapiens]
Official Symbol	APRT
Synonyms	APRT; AMP; MGC125856; MGC125857; MGC129961
Gene ID	353
mRNA Refseq	NM_000485
Protein Refseq	NP_000476
MIM	
UniProt ID	P07741
Chromosome Location	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;
Pathway	AMP binding; adenine binding; adenine phosphoribosyltransferase activity; transferase activity, transferring glycosyl groups;

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