

Recombinant Full Length Human APRT Protein, GST-tagged

Cat. No. APRT-1154HF **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Human APRT full-length ORF (NP_000476.1, 1 a.a. - 180 a.a.) recombinant protein with GST-tag at N-terminal.
Species	Human
Source	In Vitro Cell Free System
ProteinLength	180 amino acids
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. [provided by RefSeq, Jul 2008]
Molecular Mass	46 kDa
AA Sequence	MADSELQLVE QRIRSFDPDFP TPGVVFRDIS PVLKDPASFR AAIGLLARHL KATHGGRIDY IAGLDSRGFL FGPSLAQELG LGCVLIRKRG KLPGPTLWAS YSLEYGKAEL EIQKDALEPG QRVVVVDDLL ATGGTMNAAC ELLGRLQAEV LECVSLVELT SLKGREKLAP VPFFSLLQYE
Applications	Enzyme-linked Immunoabsorbent Assay; Western Blot (Recombinant protein);

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Antibody Production; Protein Array

Storage Store at -80 centigrade. Aliquot to avoid repeated freezing and thawing.

Storage Buffer 50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.

GENE INFORMATION

Gene Name [APRT adenine phosphoribosyltransferase \[Homo sapiens \]](#)

Official Symbol [APRT](#)

Synonyms APRT; adenine phosphoribosyltransferase; AMP diphosphorylase; AMP pyrophosphorylase; transphosphoribosidase; AMP; MGC125856; MGC125857; MGC129961; DKFZp686D13177

Gene ID [353](#)

mRNA Refseq [NM_000485](#)

Protein Refseq [NP_000476](#)

MIM [102600](#)

UniProt ID [P07741](#)

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