

Recombinant Human APRT Protein, Myc/DDK-tagged, C13 and N15-labeled

Cat. No. APRT-6499H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	APRT MS Standard C13 and N15-labeled recombinant protein (NP_000476) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.
Species	Human
Source	HEK293
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.
Molecular Mass	19.6 kDa
AA Sequence	MADSELQLVEQRIRSFDFPTPGVVFRDISPVLKDPASFRAAIGLLARHLKATHGGRI DYIAGLDSRGFLFGPSLAQELGLGCVLIRKRGKLPGPTLWASYSLEYGKAELEIQKDA LEPGQRVVVDDLLATGGTMNAACELLGRLQAEVLECVSLVELTSLKGREKLAPVPF FSLQYETRTRPLEQKLISEEDLAANDILDYKDDDDKV
Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining

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Stability	Stable for 3 months from receipt of products under proper storage and handling conditions.
Storage	Store at -80 centigrade. Avoid repeated freeze-thaw cycles.
Concentration	50 µg/mL as determined by BCA
Storage Buffer	100 mM glycine, 25 mM Tris-HCl, pH 7.3.

GENE INFORMATION

Gene Name	APRT adenine phosphoribosyltransferase [Homo sapiens (human)]
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

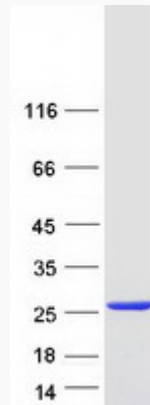
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SDS-PAGE



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