

Product datasheet for **AR09382PU-L**

APRT (1-180) Human Protein

Product data:

Product Type:	Recombinant Proteins
Description:	APRT (1-180) human recombinant protein, 0.5 mg
Species:	Human
Expression Host:	E. coli
Expression cDNA Clone or AA Sequence:	MADSELQLVE QRIRSFDFP TPGWFRDIS PVLKDPASFR AAIGLLARHL KATHGGRIDY IAGLDSRGFL FGPSLAQELG LGCVLIRKRG KLPGPTLWAS YSLEYGKAEL EIQKDALEPG QRVVVVDDLL ATGGTMNAAC ELLGRLQAEV LECVSLVELT SLKGREKLAP VPFSSLLQYE
Predicted MW:	19.6 kDa
Concentration:	lot specific
Purity:	>90% by SDS - PAGE
Buffer:	Presentation State: Purified State: Liquid purified protein Buffer System: 20 mM Tris-HCl buffer (pH 8.0) containing 1 mM DTT, 10% glycerol
Preparation:	Liquid purified protein
Protein Description:	Recombinant human APRT protein was expressed in E.coli and purified by using conventional chromatography techniques.
Storage:	Store undiluted at 2-8°C for up to two weeks or (in aliquots) at -20°C or -70°C for longer. Avoid repeated freezing and thawing.
Stability:	Shelf life: one year from despatch.
RefSeq:	NP_000476
Locus ID:	353
UniProt ID:	P07741
Cytogenetics:	16q24.3
Synonyms:	AMP; APRTD



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Summary:

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]

Protein Families:

Druggable Genome

Protein Pathways:

Metabolic pathways, Purine metabolism

Product images: