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# AR09382PU-N Human APRT (1-180) - Purified

**Alternate names:** Adenine phosphoribosyltransferase

**Quantity:** 0.1 mg

**Concentration:** 1.0 mg/ml (determined by Bradford assay)

**Background:** APRT (adenine phosphoribosyltransferase) is a 180 amino acid protein that localizes to the cytoplasm and belongs to the purine/pyrimidine phosphoribosyltransferase family. Existing as a homodimer, APRT functions to catalyze the formation of inorganic pyrophosphate and AMP from adenine and 5-phosphoribosyl-1-pyrophosphate (PRPP), a reaction that is essential for both purine metabolism and AMP biosynthesis. It also produces adenine as a by-product of the polyamine biosynthesis pathway.

**Uniprot ID:** P07741

**NCBI:** NP_000476

**GeneID:** 353

**Species:** Human

**Source:** E. coli

**Format:**
**State:** Liquid purified protein
**Purity:** >90% by SDS - PAGE
**Buffer System:** 20 mM Tris-HCl buffer (pH 8.0) containing 1 mM DTT, 10% glycerol

**Description:** Recombinant human APRT protein was expressed in E.coli and purified by using conventional chromatography techniques.
**AA Sequence:**
MADSELQLVE QRIRSFPDFP TPGVVFRDIS PVLKDPASFR AAIGLLARHL KATHGGRIDY
IAGLDSRGFL FGPSLAQELG LGCVLIRKRG KLPGPTLWAS YSLEYGKAEL EIQKDALEPG
QRVVVVDDLL ATGGTMNAAC ELLGRLQAEV LECVSLVELT SLKGREKLAP VPFFSLLQYE
**Molecular weight:** 19.6 kDa (180 aa)

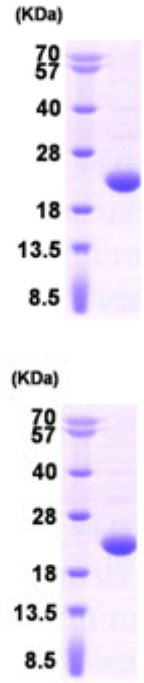
**Storage:** Store undiluted at 2-8°C for up to two weeks or (in aliquots) at -20°C or -70°C for longer.
Avoid repeated freezing and thawing.
Shelf life: one year from despatch.

**General Readings:**
Baranowska-Bosiacka I., et al. (2009) Toxicology. 259(1-2):77-83.
Liang L., et al. (2007) Cancer Res. 67(5):1910-7.

For research and in vitro use only. Not for diagnostic or therapeutic work.
Material Safety Datasheets are available at www.acris-antibodies.com or on request.

**Pictures:**

Recombinant human APRT, 1-180 aa: 15% SDS-PAGE (3 µg)







15% SDS-PAGE (3ug)

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