

Product information



APRT, 1-180 aa

Human, Recombinant, *E.coli*

Cat. No. IBATGP0483

Full Name: Adenine phosphoribosyltransferase

NCBI Accession No.: NP_000476

Synonyms: AMP

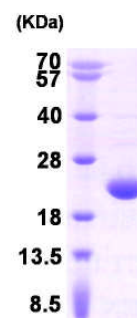
Description: APRT (adenine phosphoribosyltransferase) is a 180 amino acid protein that localizes to the cytoplasm and belongs to the purine/pyrimidine phosphoribosyltransferase family. Existing as a homodimer, APRT functions to catalyze the formation of inorganic pyrophosphate and AMP from adenine and 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. Recombinant human APRT protein was expressed in *E.coli* and purified by using conventional chromatography techniques.

Form: Liquid. In 20 mM Tris-HCl buffer (pH8.0) containing 1mM DTT, 10% glycerol

Molecular Weight: 19.6 kDa (180aa)

Purity: > 90% by SDS - PAGE

Concentration: 1 mg/ml (determined by Bradford assay)



15% SDS-PAGE (3ug)

Sequences of amino acids:

MADSELQLVE QRIRSFDFP TPGVVFRD IS PVLKDPASFR AAIGLLARHL KATHGGRI DY IAGLDSRGFL FGPSLAQELG LGCVLIRKRG
KLPGP TLWAS YSLEYGK AEL EIQKDALEPG QRVVVDDLL ATGGTMNAAC ELLGRLQAEV LECVSLVELT SLKGREKLAP VPFFSLLQYE

General references:

Baranowska-Bosiacka I., *et al.* (2009) *Toxicology*. 259(1-2):77-83.

Liang L., *et al.* (2007) *Cancer Res.* 67(5):1910-7.

WARNING: THIS PRODUCT IS NOT INTENDED OR APPROVED FOR HUMAN, DIAGNOSTICS OR VETERINARY USE. USE OF THIS PRODUCT FOR HUMAN OR ANIMAL TESTING IS EXTREMELY HAZARDOUS AND MAY RESULT IN DISEASE, SEVERE INJURY, OR DEATH.

Product information



Storage: Can be stored at +4°C short term (1-2 weeks). For long term storage, aliquot and store at -20°C or -70°C.
Avoid repeated freezing and thawing cycles.

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