

32-2157: APRT Recombinant Protein

Alternative Name : EC 2.4.2.73,MGC125857,AMP diphosphorylase,Adenine phosphoribosyltransferase,APRT,AMP,MGC125856,MGC129961,DKFZp686D13177.

Description

Source : Escherichia Coli. APRT Human Recombinant produced in E.Coli is a single, non-glycosylated polypeptide chain containing 180 amino acids (1-180 a.a.) and having a molecular mass of 19.6 kDa. The APRT is purified by conventional chromatography. APRT is part of the purine/pyrimidine phosphoribosyltransferase family. APRT enzyme catalyzes the formation of AMP and inorganic pyrophosphate from adenine and 5-phosphoribosyl-1-pyrophosphate (PRPP). APRT produces adenine as a by-product of the polyamine biosynthesis pathway. A homozygous deficiency in APRT causes 2,8-dihydroxyadenine urolithiasis. APRT catalyzes a salvage reaction resulting in the formation of AMP.

Product Info

Amount : 20 µg
Purification : Greater than 90.0% as determined by SDS-PAGE.
Content : The protein solution contains 20mM Tris-HCl pH-8, 1mM DTT and 10% glycerol.
Storage condition : Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Avoid multiple freeze-thaw cycles.
Amino Acid : MADSELQLVE QRIRSFDPDF TPGVVFRDIS PVLKDPASFR AAIGLLARHL KATHGGRIDY
 IAGLDSRGFL FGPSLAQELG LGCVLIRKRG KLPGPTLWAS YSLEYGKAEL EIQKDALEPG
 QRVVVVDDLL ATGGTMNAAC ELLGRLQAEV LECVSLVELT SLKGREKLAP VPFFSLLQYE.

