9853 Pacific Heights Blvd.
Suite D. San Diego,
CA 92121, USA
Tel: 858-263-4982
Email: info@abeomics.com

# 32-2157: APRT Recombinant Protein

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| **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

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| **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 QRIRSFPDFP TPGVVFRDIS PVLKDPASFR AAIGLLARHL KATHGGRIDY IAGLDSRGFL FGPSLAQELG LGCVLIRKRG KLPGPTLWAS YSLEYGKAEL EIQKDALEPG QRVVVVDDLL ATGGTMNAAC ELLGRLQAEV LECVSLVELT SLKGREKLAP VPFFSLLQYE. |

***For Research Use Only. Not for use in diagnostic/therapeutics procedures.***