

# Recombinant Human APRT Protein (1-180), Tag Free

## Product Information

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<b>Cat</b>	IMP-6822
<b>Official Symbol</b>	Aprt
<b>Product Overview</b>	Recombinant human APRT (1-180) protein without tag was expressed in <i>E. coli</i> .
<b>Description</b>	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.
<b>Expression System</b>	<i>E. coli</i>
<b>Species</b>	Human
<b>Tag</b>	Tag free
<b>Form</b>	Presentation State: Purified State: Liquid purified protein Buffer System: 20 mM Tris-HCl buffer (pH 8.0) containing 1 mM DTT, 10% glycerol
<b>Molecular Mass</b>	19.6 kDa
<b>Protein length</b>	1-180
<b>AA Sequence</b>	MADSELQLVEQRIRSFDFPTPGVVFRDISPVLKDPASFRAAIGLLARHLK ATHGGRIDYIAGLDSRGFLFGPSLAQELGLGCVLIRKRGKLPGP TLWASY SLEYGKAELEIQKDALEPGQRVVVDDLLATGGTMNAACELLGRLQAEVL ECVSLVELTSLKGREKLAPVPPFFSLLQYE
<b>Purity</b>	> 90% by SDS-PAGE.
<b>Storage</b>	Store undiluted at 2-8 centigrade for up to two weeks or (in aliquots) at -20 or -70 centigrade for longer. Avoid repeated freezing and thawing. Shelf life: one year from despatch.
<b>Concentration</b>	lot specific
<b>SDS-PAGE</b>	

