



Recombinant Mouse Adenine phosphoribosyltransferase (Aprt)

Product Code	CSB-EP001954MO-B
Storage	Store at -20°C, for extended storage, conserve at -20°C or -80°C.
Uniprot No.	P08030
Product Type	Recombinant Protein
Immunogen Species	Mus musculus (Mouse)
Purity	>85% (SDS-PAGE)
Sequence	SEPELKLVA RRIRSFDFP IPGVLFDRDIS PLLKDPDSFR ASIRLLASHL KSTHSGKIDY IAGLDSRGFL FGPSLAQELG VGCVLIRKQG KLPGPVVSAS YSLEYGKAEL EIQKDALEPG QRVVIVDDLL ATGGTMFAAC DLLHQLRAEV VECVSLVELT SLKGRERLGP IPFFSLLQYD
Source	E.coli
Target Names	Aprt
Protein Names	Recommended name: Adenine phosphoribosyltransferase Short name= APRT EC= 2.4.2.7
Expression Region	2-180
Notes	Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.
Tag Info	Tag type will be determined during the manufacturing process.
Protein Length	Full Length of Mature Protein
Target Details	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.
Reconstitution	We recommend that this vial be briefly centrifuged prior to opening to bring the contents to the bottom. Please reconstitute protein in deionized sterile water to a concentration of 0.1-1.0 mg/mL. We recommend to add 5-50% of glycerol (final concentration) and aliquot for long-term storage at -20°C/-80°C. Our default final concentration of glycerol is 50%. Customers could use it as reference.
Shelf Life	The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself. Generally, the shelf life of liquid form is 6 months at -20°C/-80°C. The shelf life of lyophilized form is 12 months at -20°C/-80°C.