9051 Mira Mesa Blvd, #910094
San Diego, CA 92191
Tel: 760-390-3989

Aprotinin Protein

Aprotinin
NTP0006

Product Overview

Name	Aprotinin Protein
Description	
Aprotinin	
Accession (Primary)	P00974
Synonyms	
EC 2.4.2.73, MGC125857, AMP diphosphorylase, Adenine phosphoribosyltransferase, APRT, AMP, MGC125856, MGC129961, DKFZp686D13177.	
Introduction	
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.	
Source	
Escherichia Coli.	
Physical Appearance	
Sterile Filtered colorless solution.	
Formulation	
The protein solution contains 20mM Tris-HCl pH-8, 1mM DTT and 10% glycerol.	
Stability	
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.	
Purity	
Greater than 90.0% as determined by SDS-PAGE.	
Amino acid sequence	
MADSELQLVE QRIRSFPDFP TPGVVFRDIS PVLKDPASFR AAIGLLARHL KATHGGRIDY IAGLDSRGFL FGPSLAQELG LGCVLIRKRG KLPGPTLWAS YSLEYGKAEL EIQKDALEPG QRVVVVDDLL ATGGTMNAAC ELLGRLQAEV LECVSLVELT SLKGREKLAP VPFFSLLQYE.	
Precautions	

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Aprotinin Protein is for research use only and not for use in diagnostic or therapeutic procedures.

Target Information: (P00974)