

Recombinant Human Adenylate kinase isoenzyme 1(AK1)

Catalog No: #AP70026

Package Size: #AP70026-1 20ug #AP70026-2 100ug #AP70026-3 1mg

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Description

Product Name	Recombinant Human Adenylate kinase isoenzyme 1(AK1)
Host Species	E.coli
Purification	Greater than 90% as determined by SDS-PAGE.
Immunogen Description	Expression Region:1-194aaSequence Info:Full Length
Other Names	ATP-AMP transphosphorylase 1
Accession No.	P00568
Calculated MW	37.6 kDa
Tag Info	N-terminal 6xHis-SUMO-tagged
Target Sequence	MEEKLKKTKIIFVVGPGSGKGTQCEKIVQKYGYTHLSTGDLRSEVSSGSARGKKLSEIMEKGQLVPLETVLD MLRDAMVAKVNTSKGFLIDGYPREVQQGEEFERRIGQPTLLLYVDAGPETMTQRLLKRGETSGRVDDNEETIK KRLETYYKATEPVIAFYEKRGIVRKVNNAEGSVDSVFSQVCTHLDALK
Formulation	Tris-based buffer50% glycerol
Storage	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.Notes:Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.

Background

Catalyzes the reversible transfer of the terminal phosphate group between ATP and AMP. Also displays broad nucleoside diphosphate kinase activity. Plays an important role in cellular energy homeostasis and in adenine nucleotide metabolism.

References

Primary and tertiary structure of the principal human adenylate kinase.von Zabern I., Wittmann-Liebold B., Untucht-Grau R., Schirmer R.H., Pai E.F.Eur. J. Biochem. 68:281-290(1976)Research Topic:Cardiovascular

Note: This product is for in vitro research use only and is not intended for use in humans or animals.