

AK3 Protein, Human, Recombinant (His & Myc)

General Information

Synonyms:	Adenylate kinase isozyme 3;Adenylate kinase 3;Adenylate kinase 3 alpha-like 1;AKL3L; mitochondrial;AK3;AK6;GTP:AMP phosphotransferase AK3, mitochondrial;AK3L1
Protein Construction:	1-227 aa
Species:	Human
Expression Host:	E. coli
Accession:	Q9UIJ7
Molecular Weight:	32.6 kDa (predicted)
AA Sequence:	MGASARLLRAVIMGAPGSGKGTVSSRITTHFELKHLSSGDLLRDNMLRGTEIGVLAKAFIDQGKLI PDDVMTRL ALHELKNLTQYSWLLDGFPR TLPQAEALDRAYQIDTVINLNV PFEVIKQRLTARWIHPASGRVYNIEFNPPKTV GIDDLTGEPLIQREDDK PETVIKRLKAYEDQTKPVLEYYQKKGVLETFSGTETNKIWPYVYAFLQTKVPQRSQK ASVTP

QC Testing

Biological Activity:	Activity has not been tested. It is theoretically active, but we cannot guarantee it. If you require protein activity, we recommend choosing the eukaryotic expression version first.
Purity:	> 90% as determined by SDS-PAGE.
Endotoxin:	< 1.0 EU/μg of the protein as determined by the LAL method.
Formulation:	Tris-based buffer, 50% glycerol

Preparation and Storage

Reconstitution:

A Certificate of Analysis (CoA) containing reconstitution instructions is included with the products. Please refer to the CoA for detailed information.

Stability & Storage:

Lyophilized powders can be stably stored for over 12 months, while liquid products can be stored for 6-12 months at -80°C. For reconstituted protein solutions, the solution can be stored at -20°C to -80°C for at least 3 months. Please avoid multiple freeze-thaw cycles and store products in aliquots.

Actual storage temperature shall be subject to the COA.

Shipping:

In general, lyophilized powders are shipped with blue ice, while solutions are shipped with dry ice.

Protein Background

Involved in maintaining the homeostasis of cellular nucleotides by catalyzing the interconversion of nucleoside phosphates. Has GTP:AMP phosphotransferase and ITP:AMP phosphotransferase activities.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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