

# Adenylate kinase, chloroplastic (ADK), Recombinant Protein

Cat RP15370

Size 0.02 mg (E-Coli)/ 0.02 mg (Yeast)/ 0.1 mg (E-Coli)/ 0.1 mg (Yeast)/ 0.02 mg (Baculovirus)/ 0.02 mg (Mammalian-Cell)/ 0.1

mg (Baculovirus)/ 1 mg (E-Coli)/ 1 mg (Yeast)/ 0.1 mg (Mammalian-Cell)/ 1 mg (Baculovirus)/ 0.5 mg (Mammalian-Cell)  
Species Solanum tuberosum (Potato)

## Full Product Name

Recombinant Solanum tuberosum Adenylate kinase, chloroplastic (ADK)

## Product Gene Name

ADK recombinant protein

## Product Synonym Gene Name

ADK

## Purity

Greater or equal to 85% purity as determined by SDS-PAGE. (lot specific)

## Sequence

MAAMIRLFRS SSSSSNSIS LISRSLSTAA ASETVKSQSY PHNPHSTSVD PKAKTVQWVF LGCPGVGKGT  
YASRLSTLLG VPHIATGDLV RDELKSSGPL SKQLAEIVNQ GKLVSDEIIL NLLSKRLESG EAKGEAGFIL  
DGFPRTVRQA EILTEVTDID LVVNLKLPER VLVEKCLGRR ICSECGKNFN VASIDVAGEN GAPRISMARL  
NPPFTVCFKL ITRADDTEAI VKERLSIYWD KSQPVEDFYR SQGKLLFDL PGGIPESWPK LLEVELNDEQ  
EYKLSPPA

## Sequence Positions

1-288, Full length protein

## Format

Lyophilized or liquid (Format to be determined during the manufacturing process)

## Host

E Coli or Yeast or Baculovirus or Mammalian Cell

## Molecular Weight

31,433 Da

## Storage

Store at -20°C. For long-term storage, store at -20°C or -80°C. Store working aliquots at 4°C for up to one week. Repeated freezing and thawing is not recommended.

## NCBI Accession #

Q8HSW1.1

## NCBI GI #

29427816

## NCBI GeneID

102577591

## NCBI Official Full Name

Adenylate kinase

**FOR RESEARCH OR FURTHER MANUFACTURING USE ONLY**

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NCBI Official Symbol  
LOC102577591

## NCBI Official Synonym Symbols

AK; ADK

## NCBI Protein Information

adenylate kinase

## UniProt Gene Name

ADK

## UniProt Synonym Gene Names

AK

## UniProt Protein Name

Adenylate kinase

## UniProt Synonym Protein Names

ATP-AMP transphosphorylase; ATP:AMP phosphotransferase; Adenylate monophosphate kinase

## UniProt Primary Accession #

Q8HSW1

## UniProt Related Accession #

Q8HSW1

## UniProt Comments

Catalyzes the reversible transfer of the terminal phosphate group between ATP and AMP. Plays an important role in cellular energy homeostasis and in adenine nucleotide metabolism.

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