

Datasheet for ABIN7560912

**Adenylate Kinase 7 Protein (AK7) (AA 1-614) (His tag)**[Go to Product page](#)

## Overview

Quantity:	1 mg
Target:	Adenylate Kinase 7 (AK7)
Protein Characteristics:	AA 1-614
Origin:	Mouse
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This Adenylate Kinase 7 protein is labelled with His tag.
Application:	Western Blotting (WB), SDS-PAGE (SDS)

## Product Details

Purpose:	Custom-made recombinat Ak7 Protein expressed in mammalien cells.
Sequence:	MECDAVIYNI TENVQQVEEA LWAVSALNEE ISHFEKRKVF ILLSTVMTWA RSKPLDPDDN EVPFTEEDYR RRKHHPNFLD HINAEKIVLK FGKNAKKFAT YVVASGLQYG AEGGILHTFF KMAWLGEVPA LPVFGDGTNC IPAIHVVDLA GVIQNIIDHV PKLHYLVAVD EAVHTLEDLV KCISKNTGPG KIQKVPKENA FLTKDLTQEY LDHLLVNLRM EALFVKENFN IRWVAQTGFV ENINSILKEY KQSRGLLPIK ICILGPPAVG KSSISEELAK YYKLHHIKMK DVIAEAIKL EAVAPKDSV EGEEEEEEEE EEENVDDAQE LLDGIKESME QNAGRLEDQY IIRFVKEKLNK SMPCRNQGFI LDGFPKTYDQ AKDLFNQEEE EEEEEIRGKI FPYDKLITPE FVCGLDASDE FLKERVMNLP ESVAGTHYS QDRFLRSLSH YRDINTDDET VFNYFDELEI HPIHIDVGKL EDAQNRLAIK QLIKEIGKPR NYGLTDEEKA EEEKAAEER LAKEAAQTAE LEHKEAMEMA EKJARWEEWN KRLEEVKREE RELLEVQSVL LRNYLMTYVM PTLMQGLNEC CKVRPEDPVD FLAEYLFKNN PEMQ

**Sequence without tag. The proposed Purification-Tag is based on experiences with the**

**expression system, a different complexity of the protein could make another tag necessary.**

**In case you have a special request, please contact us.**

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### Characteristics:

#### Key Benefits:

- Made to order protein - from design to production - by highly experienced protein experts.
- Protein expressed in mammalian cells and purified in one-step affinity chromatography
- The optimized expression system ensures reliability for intracellular, secreted and transmembrane proteins.
- State-of-the-art algorithm used for plasmid design (Gene synthesis).

This protein is a made-to-order protein and will be made for the first time for your order. Our experts in the lab try to ensure that you receive soluble protein.

If you are not interested in a full length protein, please contact us for individual protein fragments.

The big advantage of ordering our made-to-order proteins in comparison to ordering custom made proteins from other companies is that there is no financial obligation in case the protein cannot be expressed or purified.

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### Purity:

> 90 % as determined by Bis-Tris Page, Western Blot

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### Grade:

custom-made

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## Target Details

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### Target:

Adenylate Kinase 7 (AK7)

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### Alternative Name:

Ak7 ([AK7 Products](#))

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### Background:

Adenylate kinase 7 (AK 7) (EC 2.7.4.3) (EC 2.7.4.6) (ATP-AMP transphosphorylase 7),FUNCTION: Nucleoside monophosphate (NMP) kinase that catalyzes the reversible transfer of the terminal phosphate group between nucleoside triphosphates and monophosphates. Has highest activity toward AMP, and weaker activity toward dAMP, CMP and dCMP. Also displays broad nucleoside diphosphate kinase activity. Involved in maintaining ciliary structure and function. {ECO:0000269|PubMed:18776131}.

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### Molecular Weight:

70.7 kDa

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### UniProt:

[Q9D2H2](#)

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### Pathways:

[Nucleotide Phosphorylation](#)

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## Application Details

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Application Notes: In addition to the applications listed above we expect the protein to work for functional studies as well. As the protein has not been tested for functional studies yet we cannot offer a guarantee though.

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Restrictions: For Research Use only

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## Handling

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Format: Liquid

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Buffer: The buffer composition is at the discretion of the manufacturer.

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Handling Advice: Avoid repeated freeze-thaw cycles.

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Storage: -80 °C

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Storage Comment: Store at -80°C.

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Expiry Date: 12 months

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