

Datasheet for ABIN7554280

Adenylate Kinase 7 Protein (AK7) (AA 1-723) (His tag)[Go to Product page](#)

Overview

Quantity:	1 mg
Target:	Adenylate Kinase 7 (AK7)
Protein Characteristics:	AA 1-723
Origin:	Human
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 mammalian cells.
Sequence:	MAEEEEETAAL TEKVIRTQRV FINLLDSYSS GNIGKFLSNC VVGASLEEIT EEEEEEDENK SAMLEASSTK VKEGTFQIVG TLSKPDSRP DFAVETYSAI SREDLLMRL ECDVIIYNIT ESSQQMEEAI WAVSALSEEV SHFEKRKLF ILLSTVMTWAR SKALDPEDSE VPFTEEDYRR RKSHPNFLDH INAEKMLKF GKKARKFAAY VVAAGLQYGA EGGMLHTFFK MAWLGEIPAL PVFGDGTNVI PTIHVLDLAG VIQNVIDHVP KPHYLVAVDE SVHTLEDIVK CISKNTGPGK IQKIPRENAY LTKDLTQDCL DHLLVNLRME ALFVKENFNI RWAAQTGFVE NINTILKEYK QSRGLMPIKI CILGPPAVGK SSIKELANY YKLHHIQLKD VISEIAIKLE AIVAPNDVGE GEEEEEEEE EENVEDAQEL LDGIKESMEQ NAGQLDDQYI IRFMKEKLKS MPCRNGYIL DGFPKTYDQA KDLFNQEDEE EEDDVRGRMF PFDKLIPEF VCALDASDEF LKERVINLPE SIVAGTHYSQ DRFLRALSNY RDINIDETV FNYFDELEIH PIHIDVGKLE DAQNRLAIKQ LIKEIGEPRN YGLTDEEKAE EERKAAEERL AREAAAAER EHQAEMAE KIARWEEWNK

Product Details

RLEEVKREER ELLEAQSIPL RNYLMTYVMP TLIQGLNECC NVRPEDPVDF LAEYLFKNNP EAQ

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.

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.

Purity:

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

Grade:

custom-made

Target Details

Target:

Adenylate Kinase 7 (AK7)

Alternative Name:

AK7 ([AK7 Products](#))

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:21080915, ECO:0000269|PubMed:23416111}.

Molecular Weight:

82.7 kDa

UniProt:

[Q96M32](#)

Target Details

Pathways: [Nucleotide Phosphorylation](#)

Application Details

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.

Restrictions: For Research Use only

Handling

Format: Liquid

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

Handling Advice: Avoid repeated freeze-thaw cycles.

Storage: -80 °C

Storage Comment: Store at -80°C.

Expiry Date: 12 months