

Datasheet for ABIN7556245

Adenylate Kinase 2 Protein (AK2) (AA 1-239) (His tag)



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Overview

Quantity:	1 mg
Target:	Adenylate Kinase 2 (AK2)
Protein Characteristics:	AA 1-239
Origin:	Mouse
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This Adenylate Kinase 2 protein is labelled with His tag.
Application:	Western Blotting (WB), SDS-PAGE (SDS)

Product Details

Purpose:	Custom-made recombinat Ak2 Protein expressed in mammalian cells.
Sequence:	<p>MAPNVLASEP EIPKGIRAVL LGPPGAGKGT QAPKLAENFC VCHLATGDML RAMVASGSEL</p> <p>GKKLKATMDA GKLVSDEMVA ELIEKNLETP SCKNGFLLDG FPRTVRQAEM LDDLMEKRKE</p> <p>KLDSVIEFSI QDSSLIRIT GRLIHPKSGR SYHEEFNPPK EPMKDDITGE PLIRRSDDNE</p> <p>KALKTRLEAY HTQTTPLVEY YRKRGIHCAI DASQTPDIVF ASILAAFSKA TCKDLVMFI 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.</p>
Characteristics:	<p>Key Benefits:</p> <ul style="list-style-type: none"> • 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

Product Details

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
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Grade:	custom-made
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Target Details

Target:	Adenylate Kinase 2 (AK2)
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Alternative Name:	Ak2 (AK2 Products)
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Background:	Adenylate kinase 2, mitochondrial (AK 2) (EC 2.7.4.3) (ATP-AMP transphosphorylase 2) (ATP:AMP phosphotransferase) (Adenylate monophosphate kinase),FUNCTION: 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. Adenylate kinase activity is critical for regulation of the phosphate utilization and the AMP de novo biosynthesis pathways. Plays a key role in hematopoiesis. {ECO:0000255 HAMAP-Rule:MF_03168}.
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Molecular Weight:	26.5 kDa
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UniProt:	Q9WTP6
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Pathways:	Nucleotide Phosphorylation , Ribonucleoside Biosynthetic Process
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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.
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Restrictions:	For Research Use only
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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