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Product datasheet

Recombinant human ADK protein (Active) ab227392

1 Image

Description

Product name	Recombinant human ADK protein (Active)
Biological activity	Specific activity is > 30 pmol/min/µg and is defined as the amount of enzyme that converts 1.0 pmole of adenosine to AMP per minute at pH 7.5 at 37°C in a couple system with PK and LDH.
Purity	> 95 % SDS-PAGE. ab227392 was purified using conventional chromatography techniques.
Expression system	Escherichia coli
Accession	P55263
Protein length	Protein fragment
Animal free	No
Nature	Recombinant
Species	Human
Sequence	MGSSHHHHHHSSGLVPRGSHMRENILFGMGNPLLDISAV VDKDFLDKYSL KPNDQILAEDKHKELFDELVKKFKVEYHAGGSTQNSIKVA QWMIQQPHKA ATFFGCIGIDKFGEILKRKAAEAHVDAHYYEQNEQPTGTCA ACITGDNRS LIANLAAANCYKKEKHLDLEKNWMLVEKARVCYIAGFFLTV SPESVLKVA HHASENNRIFTLNLSAPFISQFYKESLMKVMPYVDILFGNET EAATFARE QGFETKDIKEIAKKTQALPKMNSKRQRIVIFTQGRDDTIMAT ESEVTAFA VLDQDQKEIIDTNGAGDAFVGGFLSQLVSDKPLTECIRAG HYAASIIIRR TGCTFPEKPDFH
Predicted molecular weight	41 kDa including tags
Amino acids	22 to 362
Tags	His tag N-Terminus
Additional sequence information	NP_006712.

Specifications

Our **Abpromise guarantee** covers the use of **ab227392** in the following tested applications.

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Applications	Mass Spectrometry Functional Studies SDS-PAGE
Mass spectrometry	MALDI-TOF
Form	Liquid

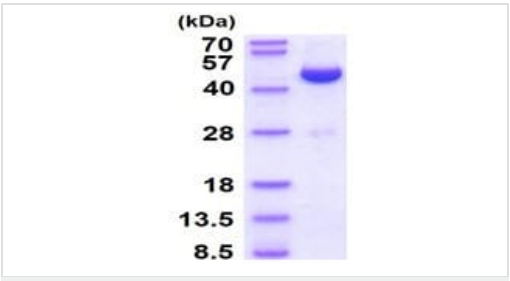
Preparation and Storage

Stability and Storage	Shipped at 4°C. Store at +4°C short term (1-2 weeks). Upon delivery aliquot. Store at -20°C or -80°C. Avoid freeze / thaw cycle. pH: 8.00 Constituents: 0.02% DTT, 0.03% EDTA, 20% Glycerol (glycerin, glycerine), 0.29% Sodium chloride, 0.32% Tris HCl This product is an active protein and may elicit a biological response in vivo, handle with caution.

General Info

Function	ATP dependent phosphorylation of adenosine and other related nucleoside analogs to monophosphate derivatives. Serves as a potential regulator of concentrations of extracellular adenosine and intracellular adenine nucleotides.
Tissue specificity	Widely expressed. Highest level in placenta, liver, muscle and kidney.
Pathway	Purine metabolism; AMP biosynthesis via salvage pathway; AMP from adenosine 3',5'-bisphosphate: step 1/1.
Sequence similarities	Belongs to the carbohydrate kinase pfkB family.

Images



SDS-PAGE - Recombinant human ADK protein (Active) (ab227392)

15% SDS-PAGE analysis of 3 µg ab227392.

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- Replacement or refund for products not performing as stated on the datasheet
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- Response to your inquiry within 24 hours
- We provide support in Chinese, English, French, German, Japanese and Spanish
- Extensive multi-media technical resources to help you
- We investigate all quality concerns to ensure our products perform to the highest standards

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