

ADK recombinant protein

ADK, 22-362aa, Human, His tag, E Coli

CATALOG # AAA48585	HOST E Coli	APPLICATIONS SDS-Page
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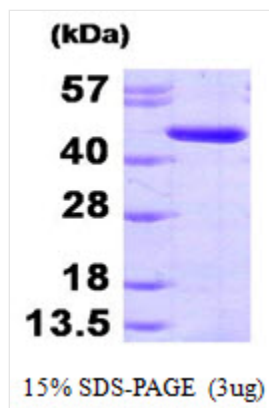
PRODUCT SYNONYMS

ADK; 22-362aa; Human; His tag; E Coli; AK; adenosine kinase; adenosine 5'-phosphotransferase; ; ADK recombinant protein

PRODUCT SPECIFICATIONS

Host	E Coli
Purity/Purification	> 95% by SDS-PAGE
Form/Format	Liquid. In 20mM Tris-HCl Buffer (pH 8.0) containing 1mM DTT, 20% glycerol, 1mM EDTA, 50mM NaCl
Concentration	0.5 mg/ml (determined by Bradford assay) (varies by lot)
Sequence	MGSSHHHHHH SSGLVPRGSH MRENILFGMG NPLLDISAVV DKDFLDKYSL KPNDQILAED KHKELFDELV KKFKVEYHAG GSTQNSIKVA QWMIQQPHKA ATFFGCIGID KFGEILKRKA AEAHVDAHYY EQNEQPTGTC AACITGDNRS LIANLAAANC YKKEKHLDE KNWMLVEKAR VCYIAGFFLT VSPESVLKVA HHAENNRIF TLNLSAPPIS QFYKESLMKV MPYVDILFGN ETEAATFARE QGFETKDIKE IAKKTQALPK MNSKRQRIVI FTQGRDDTIM ATESEVTAFV VLDQDQKEII DTNGAGDAFV GGFLSQLVSD KPLTECIRAG HYAASIIIRR TGCTFPEKPD FH
Sequence Length	362
Applicable Applications for ADK recombinant protein	SDS-PAGE
Antigen Species	Human
Tag Information	His-tag
Preparation and Storage	Can be stored at 4 degree C short term (1-2 weeks). For long term storage, aliquot and store at -20 degree C or -70 degree C. Avoid repeated freezing and thawing cycles.

IMAGES



SDS-PAGE

ADDITIONAL INFORMATION

Related Product Information for ADK recombinant protein	Adenosine kinase, also known as ADK is an abundant enzyme in mammalian tissues that catalyzes the transfer of the gamma-phosphate from ATP to adenosine, thereby serving as a regulator of concentrations of both extracellular adenosine and intracellular adenine nucleotides. Adenosine kinase has widespread effects on the cardiovascular, nervous, respiratory, and immune systems and inhibitors of the enzyme could play an important pharmacological role in increasing intravascular adenosine concentrations and acting as anti-inflammatory agents. Recombinant human Adenosine kinase, fused to His-tag at N-terminus, was expressed in E Coli and purified by using conventional chromatography techniques.
Product Categories/Family for ADK recombinant protein	Cancer
References	Chakraborty, A., et al. (2002) J. Biol. Chem. 277:47451-47451.; Sakowicz M., et al. (2001) Acta Biochim Pol. 48 (3): 745-54.;

NCBI AND UNIPROT INFORMATION

NCBI GI #	32484975
NCBI GeneID	132
NCBI Accession #	NP_006712
NCBI GenBank Nucleotide #	NM_006721.3
UniProt Accession #	P55263; O00741; O00742; Q16710; Q5JQ10; Q5JQ11; Q9BTN2; B7Z783; B7Z800
Molecular Weight	40.5 kDa (362aa), confirmed by MALDI-TOF
NCBI Official Full Name	adenosine kinase isoform b
NCBI Official Synonym Full Names	adenosine kinase
NCBI Official Symbol	ADK
NCBI Official Synonym Symbols	AK
NCBI Protein Information	adenosine kinase
UniProt Protein Name	Adenosine kinase
UniProt Gene Name	ADK
UniProt Synonym Gene Names	AK

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/adk-recombinant-protein-e-coli-sds-page/48585>