

uCK2 recombinant protein

uCK2, 1-261aa, Human, His tag, E Coli

CATALOG # AAA48658	HOST E Coli	APPLICATIONS SDS-Page
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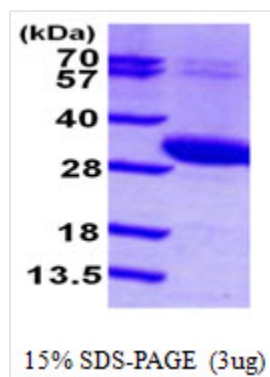
PRODUCT SYNONYMS

uCK2; 1-261aa; Human; His tag; E Coli; uridine-cytidine kinase 2; TSA903; uK; uMPK; uCK2 recombinant protein

PRODUCT SPECIFICATIONS

Host	E Coli
Purity/Purification	> 90% by SDS-PAGE
Form/Format	Liquid. 20mM Tris-HCl Buffer (pH 8.0) containing 20% glycerol, 2mM DTT, 100mM NaCl, 0.1mM PMSF, 1mM EDTA
Concentration	1mg/ml (determined by Bradford assay) (varies by lot)
Sequence	MAGDSEQLQ NHQQPNGGEP FLIGVSGGTA SGKSSVCAKI VQLLGQNEVD YRQKQVWLS QDSFYRVLTS EQKAKALKGQ FNFDPDAFD NELILKTLKE ITEGKTVPQIP VYDFVSHSRK EETVTVYPAD VVLFEGILAF YSQEVRLDFQ MKLFVDTDAD TRLSRRVLRD ISERGRDLEQ ILSQYITFVK PAFEEFCLPT KKYADVIIPR GADNLVAINL IVQHIQDILN GGPSKRQTNG CLNGYTPSRK RQASESSSRP HLEHHHHHH
Sequence Length	261
Applicable Applications for uCK2 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 uCK2 recombinant protein	uCK2 also known as uridine-cytidine kinase 2 is belongs to the uridinekinase family. uCK2 catalyzes the phosphorylation of uridine monophosphate to uridine diphosphate and cytidine monophosphate. It plays a role in the production of pyrimidine nucleoside triphosphates required for RNA and DNA synthesis. In addition, an allele of this gene may play a role in mediating nonhumoral immunity to Hemophilus influenzae type B. Recombinant human uCK2 protein, fused to His-tag at C-terminus, was expressed in E Coli and purified by using conventional chromatography techniques.
Product Categories/Family for uCK2 recombinant protein	Enzymes & Proteases
References	Smith AJ., et al. (2009) Org Biomol Chem. 7 (13):2716-24.; Murata D., et al (2004) Drug Metab Dispos. 32 (10):1178-82

NCBI AND UNIPROT INFORMATION

NCBI GI #	18699734
NCBI GeneID	7371
NCBI Accession #	NP_036606
NCBI GenBank Nucleotide #	NM_012474.4
UniProt Accession #	Q9BZX2; Q5VV91; Q7KZV3; Q92528; Q96KG5; Q9BU42
Molecular Weight	30.3kDa (269aa), confirmed by MALDI-TOF
NCBI Official Full Name	uridine-cytidine kinase 2
NCBI Official Synonym Full Names	uridine-cytidine kinase 2
NCBI Official Symbol	UCK2
NCBI Official Synonym Symbols	UK; UMPK; TSA903
NCBI Protein Information	uridine-cytidine kinase 2
UniProt Protein Name	Uridine-cytidine kinase 2
UniProt Gene Name	UCK2
UniProt Synonym Gene Names	UMPK; UCK 2

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/uck2-recombinant-protein-e-coli-sds-page/48658>