

Recombinant Full Length Human UCK2 protein, N T7-tagged

Cat. No. UCK2-145H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant human UCK2 (261 aa) fused with T7 Tag at N-terminal was expressed in E. coli.
Species	Human
Source	E.coli
ProteinLength	261 a.a.
Form	0.2 mg/ml, sterile-filtered, in 20 mM pH 8.0 Tris-HCl Buffer, with proprietary formulation of NaCl, KCl, EDTA, Sucrose and DTT.
AA Sequence	MASMTGGGQQMGRGEFGSTSMAGDSEQTLQNHQQPNGGEPFLIGVSGGTASGKSS VCAKIVQLLGQNEVDYRQKQV VILSQDSFYRVLTSEQKAKALKGQFNFDHPDAFDN ELILKTLKEITEGKTVQIPVYDFVSHSRKEETVTVYPADV VLFEGILAFYSQEVRLDFQ MKLFVDTDADTRLSSRRVLRDISERGRDLEQILSQYITFVKPAFEEFCLPTKKYADV IIP RGADNLVAINLIVQHIQDILNGGPSKRQTNGCLNGYTPSRKRQASESSSRPH
Purity	>90% by SDS-PAGE
Applications	1. May be used for in vitro UCK2 mediated phosphorylation of uridine-cytidine regulation study with intracellular delivery of this protein.2. As soluble / native protein, may be used as enzymatic substrate protein for kinase and ubiquitin assay development.3. May be used for mapping UCK2 protein-protein interaction.4. May be used as antigen for specific antibody development.

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Storage

Keep at -80 centigrade for long term storage. Product is stable at 4 centigrade for at least 7 days.

GENE INFORMATION
Gene Name

UCK2 uridine-cytidine kinase 2 [Homo sapiens]

Official Symbol

UCK2

Synonyms

UCK2; uridine-cytidine kinase 2; UMPK, uridine monophosphate kinase; uridine kinase; uridine monophosphokinase 2; cytidine monophosphokinase 2; uridine monophosphate kinase; testis-specific protein TSA903; UK; UMPK; TSA903; DKFZp686M04245;

Gene ID

7371

mRNA Refseq

NM_012474

Protein Refseq

NP_036606

MIM

609329

UniProt ID

Q9BZX2

**Chromosome
Location**

1p32

Pathway

Drug metabolism - other enzymes, organism-specific biosystem; Drug metabolism - other enzymes, conserved biosystem; Fluoropyrimidine Activity, organism-specific biosystem; Metabolic pathways, organism-specific biosystem; Metabolism, organism-specific biosystem; Metabolism of nucleotides, organism-specific biosystem;

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Pyrimidine metabolism, organism-specific biosystem;

Function

ATP binding; kinase activity; nucleoside kinase activity; nucleotide binding; phosphotransferase activity, alcohol group as acceptor; transferase activity; uridine kinase activity;

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