

Recombinant Full Length Human UCK2, C His-tagged

Cat. No. UCK2-30101TH **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant full length Human UCK2 (amino acids 1-261) with C terminal His tag; 269 amino acids with tag, MWt 30.3 kDa.
Species	Human
Source	E.coli
ProteinLength	1-261 a.a.
Description	This gene encodes a pyrimidine ribonucleoside kinase. The encoded protein (EC 2.7.1.48) catalyzes phosphorylation of uridine and cytidine to uridine monophosphate (UMP) and cytidine monophosphate (CMP), respectively.
Conjugation	HIS
Molecular Weight	30.300kDa inclusive of tags
Form	Liquid
Purity	>90% by SDS-PAGE
Storage buffer	Preservative: None Constituents: 20% Glycerol, 20mM Tris HCl, 2mM DTT, 100mM Sodium chloride, 1mM EDTA, 0.1mM PMSF, pH 8.0
Storage	Shipped at 4°C. Upon delivery aliquot and store at -20°C or -80°C. Avoid repeated

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freeze / thaw cycles.

Sequences of amino acids

MAGDSEQTLQNHQQPNGGEPFLIGVSGGTASGKSSVCAKIVQLLGQNEVDYRQKQ
VVILSQDSFYRVLTSQKAKALKGQFNFDHPDAFDNELILKTLKEITEGKTVQIPVYDF
VSHSRKEETVTVYPADVVLFEGLAFYSQEVRLDFQMKLFVDTDADTRLRRLVLRDIS
ERGRDLEQILSQYITFVKPAFEEFCLPTKKYADVIIIPRGADNLVAINLIVQHIQDILNGG
PSKRQTNGCLNGYTPSRKRQASESSSRPHLEHHHHHH

GENE INFORMATION

Gene Name UCK2 uridine-cytidine kinase 2 [Homo sapiens]

Official Symbol UCK2

Synonyms UCK2; uridine-cytidine kinase 2; UMPK, uridine monophosphate kinase;

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

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biosystem; Metabolic pathways, organism-specific biosystem; Metabolism, organism-specific biosystem;

Function

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

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