

Product datasheet for **SC115372**

UCK2 (NM_012474) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	UCK2 (NM_012474) Human Untagged Clone
Tag:	Tag Free
Symbol:	UCK2
Synonyms:	TSA903; UK; UMPK
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL4</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>OriGene ORF within SC115372 sequence for NM_012474 edited (data generated by NextGen Sequencing)

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ATGGCCGGGGACAGCGAGCAGACCCTGCAGAACCACCAGCAGCCCAACGGCGCGAGCCC  
TTCCTTATAGGCGTCAGCGGGGGAACAGCTAGCGCAAGTCTCCGTGTGTGCTAAGATC  
GTGCAGCTCCTGGGCAGAATGAGGTGGACTATCGCCAGAAGCAGGTGGTCATCCTGAGC  
CAGGATAGCTTCTACCGTGTCTTACCTCGGAGCAGAAGGCCAAAGCCCTGAAGGGCCAG  
TTCAACTTTGACCACCCGGATGCCTTTGACAATGAACTCATTCTCAAACACTCAAAGAA  
ATCACTGAAGGGAAAACAGTCCAGATCCCCGTGTATGACTTTGTCTCCCATTCGCCGAAG  
GAGGAGACAGTTACTGTCTATCCCGCAGACGTGGTGTCTTTGAAGGGATCCTGGCCTTC  
TACTCCCAGGAGGTACGAGACCTGTTCCAGATGAAGCTTTTTGTGGATACAGATGCGGAC  
ACCCGGCTCTCACGCAGAGTATTAAGGGACATCAGCGAGAGAGGCAGGGATCTTGAGCAG  
ATTTTATCTCAGTACATTACGTTTCGTCAAGCCTGCCTTTGAGGAATTCTGCTTGCCAACA  
AAGAAGTATGCTGATGTGATCATCCCTAGAGGTGCAGATAATCTGGTGGCCATCAACCTC  
ATCGTGCAGCACATCCAGGACATCCTGAATGGAGGGCCCTCCAAACGGCAGACCAATGGC  
TGTCTCAACGGCTACACCCCTTCACGCAAGAGGCAGGCATCGGAGTCCAGCAGCAGGCCG  
CATTGA
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Clone variation with respect to NM_012474.4



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5' Read Nucleotide Sequence:

>OriGene 5' read for NM_012474 unedited
 CGGCCGGCGAATTCGCACGAGGGTCCGACGCGGGCGGGGAGCGTGCCTCCGTTCCGACAGGCAGCGGGAGGAGGGGGCGGCGGAACCATGGCCGGGACAGCGAGCAGACCCCTGCAGAACCACCAGCAGCCCAACGGCGGCGAGCCCTTCTTATAGGCGTCAGCGGGGAAACAGCTAGCGGCAAGTCTTCCGTGTGTGCTAAGATCGTGCAGCTCCTGGGGCAGAATGAGGTGACTATCGCCAGAAGCAGGTGGTCATCCTGAGCCAGGATAGCTTCTACCGTGTCTTACC TCGGAGCAGAAGGCCAAAGCCCTGAAGGGCCAGTTCAACTTTGACCACCCGGATGCCTTT GACAATGAACTATTCTCAAACACTCAAAGAAATCACTGAAGGAAAACAGTCCAGATC CCCGTGTATGACTTTGTCTCCCATTTCCCGAAGGAGGAGACAGTTACTGTCTATCCCGCA GACGTGGTGTCTTTGAAGGGATCCTGGCCTTCTACTCCAGGAGGTACGAGACCTGTTC CAGATGAAGCTTTTTGTGGATACAGATGCGGACACCCGGCTCTCACGCAGAGTATTAAGG GACATCAGCGAGAGAGGCAGGGGATCTTGAGCAGATTNTATCTCAGTACATTACGTTTCGT CAAGCCTGCCTTTGAGGAATTCTGNCTGCCAACAAAGAGTATGCTGATGTGATCATCCCT AGAGTGCAGATAATCTGGTGGGCATCAACCTCATCGTGCAGAAATCCAGGACATNCTGA ATGGGAGGGCCCTNCAACGGCAGACCATGGCTGTCTCACGGNNTACACCCCTTACGCAGA AGCAN

3' Read Nucleotide Sequence:

>OriGene 3' read for NM_012474 unedited
 CCATAAGTGNACNGCGGCCGAATTTANGATCGAGTTTTTTTTTTTTTTTTTTTGCCTTT TTGTCTGTCTTTATTTACAGCAAAGTACATAATATGTGGTCACTTTGTAACCACTAACAA TAAAGGTAGGGTGGTAAAAAGAAAAGGGAGAGGAGCAAGCATCTTAAAAGGGGGAAAAA AAAGCCTAAGTCTGTATTTAGCTACTCACCTGCTCCTGAGGCAGGACTGGTAGGCACT CCCTGCCTCTAAGACCACAGCCAAGCTGACCTGGAATGCCAGTCCCGGTATGAGGAAGG CAGCAGAACGCCAGAGACAAAAGATTAAGGGGACTGAGCTCTGGATGCATCCACTTAT GCTTTGCCAGACAGTTCCCTTCTTGTGTTTTGTTGAATGCTTCCCCACCCCGCCCTGAG CAAAGTGTAAAGGGCAACGGTGGCACAGAAGTACAGGCAGTCCCTTCCAGAAGCAGTCTT GAACCGCATAACCCACCTACCTAGCTGCTCCTCAGACTGCCGAGTTCTTGGCCCTGGAAT CTTTAAACAGGCACATAGGAGATTCCAGGGCAGGGGAAAATATTTGCCCTGCAAGAGGCTA CTCCCCCTCCCACCACCTGTGACGCCACCCGCCCGCAATGACTCCTCTCTCCACCGAA AGTGCCCTACTGCCTCACACAGGTTCTTATCATGTCTCATCCAACCTTCTTGCCTCTTCC TGCTGCCCCACTGCCCCCAGGTGCTCCCCATTTCCCCCGCTTCCCCAACCCCTCTC TTTGCTACTCGCTGCTATCCTACTCCTTTCGCGCGCCGTCCTCTTTCATCTCTACTCTCC TTCTCAATTTCCGGGCCCTCCCTCCTATCTTCCCTCCGNTTTCGCCATTGCTTCTACAT CCATCCCATCCACCTCCNTCTCCTATTCTTATCTCTGTTCTGGTACACCCGCCCCCAA CCCTCCACTACTCTATNTCCCTGAACCCTN

Restriction Sites:

NotI-NotI

ACCN:

NM_012474

Insert Size:

4860 bp

OTI Disclaimer:

Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).

Components:

The ORF clone is ion-exchange column purified and shipped in a 2D barcoded Matrix tube containing 10ug of transfection-ready, dried plasmid DNA (reconstitute with 100 ul of water).

Reconstitution Method:	<ol style="list-style-type: none">1. Centrifuge at 5,000xg for 5min.2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.3. Close the tube and incubate for 10 minutes at room temperature.4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.5. Store the suspended plasmid at -20°C. The DNA is stable for at least one year from date of shipping when stored at -20°C.
RefSeq:	NM_012474.3 , NP_036606.2
RefSeq Size:	1284 bp
RefSeq ORF:	786 bp
Locus ID:	7371
UniProt ID:	Q9BZX2
Cytogenetics:	1q24.1
Domains:	PRK
Protein Families:	Druggable Genome
Protein Pathways:	Drug metabolism - other enzymes, Metabolic pathways, Pyrimidine metabolism
Gene Summary:	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.[provided by RefSeq, Oct 2010]