

Product datasheet for **SC107347**

UCK (UCK1) (NM_031432) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	UCK (UCK1) (NM_031432) Human Untagged Clone
Tag:	Tag Free
Symbol:	UCK
Synonyms:	URK1
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>OriGene ORF within SC107347 sequence for NM_031432 edited (data generated by NextGen Sequencing)

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ATGGCTTCGGCGGGAGGCGAAGACTGCGAGAGCCCCGCGCCGAGGCCGACCGTCCGCAC
CAGCGGCCCTTCCTGATAGGGGTGAGCGCGGCACTGCCAGCGGAAGTCGACCGTGTGT
GAGAAGATCATGGAGTTGCTGGGACAGAACGAGGTGGAACAGCGGCAGCGGAAGGTGGTC
ATCCTGAGCCAGGACAGGTTCTACAAGGTCCTGACGGCAGAGCAGAAGGCCAAGGCTTG
AAAGGACAGTACAATTTTGACCATCCAGATGCCTTTGATAATGATTTGATGCACAGGACT
CTGAAGAACATCGTGGAGGGCAAACGGTGGAGGTGCCGACCTATGATTTTGTGACACAC
TCAAGGTTACCAGAGACCACGGTGGTCTACCCTGCGGACGTGGTCTGTTTGAGGGCATC
TTGGTGTCTACAGCCAGGAGATCCGGGACATGTTCCACCTGCGCCTCTTCGTGGACACC
GACTCCGACGTCAAGGCTGTCTCGAAGAGTTCTCCGGGACGTGCGCCGAGGGAGGGACCTG
GAGCAGATTCTGACGCAGTACACCACCTTCGTGAAGCCGCTTCGAGGAGTTTTGCCTG
CCGACAAAGAAGTATGCCGATGTGATCATCCCACGAGGAGTGGACAATATGGTTGCCATC
AACCTGATCGTGCAGCACATCCAGGACATTCTGAATGGTGACATCTGCAAATGGCACCGA
GGAGGGTCCAATGGGCGGAGCTACAAGCGGACCTTTTCTGAGCCAGGGGACCACCCTGGG
ATGCTGACCTCTGGCAAACGGTCACATTTGGAGTCCAGCAGCAGACCCCACTGA

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Clone variation with respect to NM_031432.2
594 c=>t;633 g=>a



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5' Read Nucleotide Sequence:	<p>>OriGene 5' read for NM_031432 unedited GTCAGAATTTTGTAAATACGACTCACTATAGGGCGGCCGGAATTCGGCACGAGGCGGCGC TGGGCGGGCGCGCCGGGCCTGGGGAAGGGGCGGGCGGGGACCCGATGCGCGGGAGCGG AGGCCGAGATGGCTTCGGCGGGAGGCGAAGACTGCGAGAGCCCCGCGCCGAGGCCGACC GTCCGCACCAGCGGCCCTTCCTGATAGGGGTGAGCGGCGGCACTGCCAGCGGGAAGTCGA CCGTGTGTGAGAAGATCATGGAGTTGCTGGGACAGAACGAGGTGGAACAGCGGCAGCGGA AGGTGGTCATCCTGAGCCAGGACAGGTTCTACAAGGTCCTGACGGCAGAGCAGAAGGCCA AGGCCTTGAAAGACAGTACAATTTTGACCATCCAGATGCCTTTGATAATGATTTGATGC ACAGGACTCTGAAGAATCATCGTGGAGGGCAAAACGGTGGAGGTGCCGACCTATGATTTTG TGACACACTCAAGGTTACCAGAGACCACGGTGGTCTACCCTGCGGACGTGGTTCTGTTTTG AGGGCATCTTGGTGTCTACAGCCAGGAGATCCGGGACATGTTCCACCTGCGCCTCTTCG TGGACACCGACTCCGACGTGAGGCTGTCTCGAAGAGTTCTCCGGGACGTGCGCCGAGGGA GGGACCTGGAGCAGATTCTGACGCAGTACACCACCTTCGTGAAGCCGGCCTTCGAGGGNA GTTTGCCCTGCCACANAGAAGTATGCCCGATGTGATCATCCACGAGGNAGTGGACANTA TGGGTTGCCATACNCCTGGGATCGGTGCCAGCACATCCCAGGACATTNCTGAATGGNTGA CANTCTGCANATGGCACCGAAGNAGGGTCCAATNGGGCCGGAGCTACCAGCGGACCCTT TCCTGAGCCAGGGGACCCCTTGGGGATG</p>
3' Read Nucleotide Sequence:	<p>>OriGene 3' read for NM_031432 unedited CGGCCGATTTTATATCGAGTTTTTTTTTTTTTTTTTTTTAGGTTTGTAGGCCACAACCAGC CTTGTGTTATGAAACAGAAAACAGAAAACATGAGGACATGTAACATGTAAGAAAGGAAAAG TACTTGTTACAAAACCTTTGAGTTATGTGTGTGTGTAAGAACCAGATCAGACTGGAAAA AACTCTCTCCCACTGTGGGTTCACTGTCAACAAAACATCAGGCCAGCCAGTGTCTAGGCT GTCTCCTCAATTTCCCAATAATGTGCCTCACATTCTCACAGAAGCCTCCCAGGCTTCC TGCACATTCTGTGGCATTCTCAGTGACCTAGAGGGATCTTTAAACCGCAACGAGCCTAA GTGGTGAAAACCTCAGGAACGCCTGTCAGTGTCCCAGCAAGTTGAGTCTGAGTGACACA TCTGAGTTTCACTCCTGAGTGAGGAAGGCCTCGCTGCTAACACTCCCCTGNGGTGCGCC GAGAGGAANCAGTGGGTGTGGGTGGGCGTCCCCAGGCTCAGTCCCTGAACACACATGCC GGGCGGGAGACCTGCCCTGAGGCTCGGCAGCCCCCTCAGTGGGGTCTGCTGCTGGACTCCA AATGTGACCGTTTGCCAAAGGTCAGCATCCCAGGTTGGTCCCCTGGCTCAAAAAGGTCCG CTTGACTCCGCCCATTTGGACCTCCTCCGTGCCATTTGCAGATGTCCCACATACATGT CCTGNATGTGCTGCACGATCAGGTTGATTGCACCATATTTGTCCCTCTTCGTGGGATG ATCCCATTGGGTTAACTTTTTGCGGGAAGCGAACTCCTTCAAGGCCGGCTTCCCGAAG TGGGGACCTGNGTTAAAACTGCTCCAAGTCCCTTCCCTCTGCGCACGTCCCCGAAAAC TTTTAAACACCTGAACTTGGATTTGGTGTCCACAAAAGGCCAAGTGGACATGTCCCGG ATCTTTGCTGTAACAAAAGCCTTAACAAACCCTTTCGCAGGAATACCCCGTTTTT GGAACCTAATGTGGCACAATAGN</p>
Restriction Sites:	NotI-NotI
ACCN:	NM_031432
Insert Size:	1610 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_031432.1 , NP_113620.1
RefSeq Size:	2160 bp
RefSeq ORF:	834 bp
Locus ID:	83549
UniProt ID:	Q9HA47
Cytogenetics:	9q34.13
Domains:	PRK
Protein Families:	Druggable Genome
Protein Pathways:	Drug metabolism - other enzymes, Metabolic pathways, Pyrimidine metabolism
Gene Summary:	<p>This gene encodes a uridine-cytidine kinase that catalyzes the phosphorylation of uridine and cytidine to uridine monophosphate (UMP) and cytidine monophosphate (CMP) but not the phosphorylation of deoxyribonucleosides or purine ribonucleosides. This enzyme can also phosphorylate uridine and cytidine analogs and uses both ATP and GTP as a phosphate donor. Alternative splicing results in multiple splice variants encoding distinct isoforms. [provided by RefSeq, May 2012]</p> <p>Transcript Variant: This variant (1) represents the predominant transcript and encodes the isoform a.</p>