

Product datasheet for **SC330717**

UCK (UCK1) (NM_001261451) Human Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: UCK (UCK1) (NM_001261451) Human Untagged Clone
Tag: Tag Free
Symbol: UCK1
Synonyms: URK1
Vector: pCMV6-Entry (PS100001)
Fully Sequenced ORF: >SC330717 representing NM_001261451.
Blue=Insert sequence Red=Cloning site Green=Tag(s)

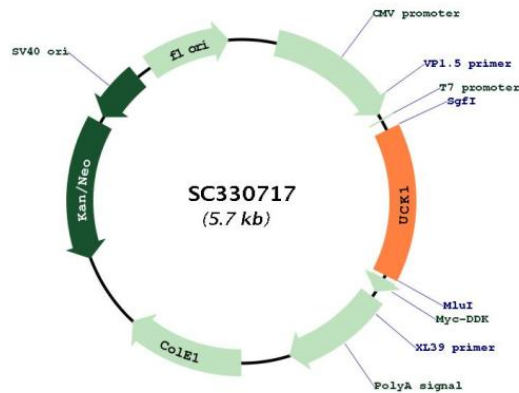
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ATGGCTTCGGCGGGAGGCGAAGACTGCGAGAGCCCCGCGCCGGAGGCCGACCGTCCGCACCAGCGGCC  
TTCCTGATAGGGGACGAGCGGTTCCAGGCGGGAATCCCGCTTCTGTGTCTCCAGTCGACCGTGTGTGAG  
AAGATCATGGAGTTGCTGGGACAGAACGAGGTGGAACAGCGGCAGCGGAAGGTGGTCATCCTGAGCCAG  
GACAGGTTCTACAAGTCTGACGGCAGAGCAGAAGGCCAAGGCCTTGAAAGGACAGTACAATTTTGAC  
CATCCAGATGCCTTTGATAATGATTTGATGCACAGGACTCTGAAGAACATCGTGGAGGGCAAACGGTG  
GAGGTGCCGACCTATGATTTTGTGACACACTCAAGGTTACCAGAGACCACGGTGGTCTACCTGCGGAC  
GTGTTCTGTTTGAGGGCATCTTGGTGTCTACAGCCAGGAGATCCGGGACATGTTCCACCTGCGCCTC  
TTCGTGGACACCGACTCCGACGTGAGGCTGCTCGAAGAGTTCTCCGGGACGTGCGCCGAGGGAGGGAC  
CTGGAGCAGATTCTGACGCAGTACACCCTTCGTGAAGCCGGCCTTCGAGGAGTTCTGCCTGCCGACA  
AAGAAGTATGCCGATGTGATCATCCCGCAGGAGTGGACAATATGGTTGCCATCAACCTGATCGTGCAG  
CACATCCAGGACATTCTGAATGGTGACATCTGCAAATGGCACCAGGAGGGTCCAATGGGCGGAGCTAC  
AAGCGGACCTTTCTGAGCCAGGGGACCACCCTGGGATGCTGACCTCTGGCAAACGGTCACATTTGGAG  
TCCAGCAGCAGACCCCACTGA
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Restriction Sites: Sgfl-Mlul



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Plasmid Map:



ACCN: NM_001261451

Insert Size: 849 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:

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:	<u>NM_001261451.1</u>
RefSeq Size:	2206 bp
RefSeq ORF:	849 bp
Locus ID:	83549
UniProt ID:	<u>Q9HA47</u>
Cytogenetics:	9q34.13
Protein Families:	Druggable Genome
Protein Pathways:	Drug metabolism - other enzymes, Metabolic pathways, Pyrimidine metabolism
MW:	32.3 kDa
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 (4) has multiple differences in the 5' coding region, compared to variant 1, that result in a protein (isoform d) with a longer N-terminus, compared to isoform a.</p>