

Product datasheet for **SC330716**

UCK (UCK1) (NM_001261450) Human Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: UCK (UCK1) (NM_001261450) Human Untagged Clone
Tag: Tag Free
Symbol: UCK1
Synonyms: URK1
Vector: pCMV6-Entry (PS100001)
Fully Sequenced ORF: >SC330716 representing NM_001261450.
Blue=Insert sequence Red=Cloning site Green=Tag(s)

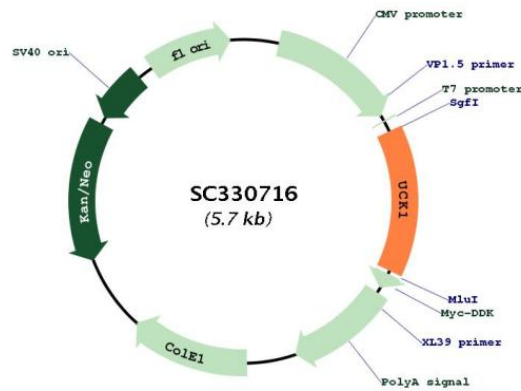
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ATGGCTTCGGCGGGAGGCGAAGACTGCGAGAGCCCCGCGCCGGAGGCCGACCGTCCGCACCAGCGGCC  
TTCCTGATAGGGTCGACCGTGTGTGAGAAGATCATGGAGTTGCTGGGACAGAACGAGGTGGAACAGCGG  
CAGCGGAAGGTGGTCATCCTGAGCCAGGACAGGTTCTACAAGTCTGACGGCAGAGCAGAAGGCCAAG  
GCCTTGAAAGGACAGTACAATTTGACCATCCAGATGCCTTTGATAATGATTTGATGCACAGGACTCTG  
AAGAACATCGTGGAGGGCAAACGGTGGAGGTGCCGACCTATGATTTTGTGACACACTCAAGTTACCA  
GAGACCACGGTGGTCTACCCTGCGGACGTGGTTCTGTTTGAGGGCATCTTGGTGTCTACAGCCAGGAG  
ATCCGGGACATGTTCCACCTGCGCCTCTTCGTGGACACCGACTCCGACGTGAGGCTGTCTCGAAGAGTT  
CTCCGGGACGTGCGCCGAGGGAGGGACCTGGAGCAGATTCTGACGCAGTACACCACCTTCGTGAAGCCG  
GCCTTCGAGGAGTTCTGCCTGCCGACAAAGAAGTATGCCGATGTGATCATCCCGGAGGAGTGGACAAT  
ATGGTTGCCATCAACCTGATCGTGCAGCACATCCAGGACATTCTGAATGGTGACATCTGCAAATGGCAC  
CGAGGAGGGTCCAATGGGCGGAGCTACAAGCGGACCTTTTCTGAGCCAGGGGACCACCCTGGGATGCTG  
ACCTCTGGCAAACGGTCACATTTGGAGTCCAGCAGCAGACCCACTGA
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Restriction Sites: SgfI-MluI



[View online »](#)

Plasmid Map:



ACCN: NM_001261450

Insert Size: 807 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: [NM_001261450.1](#)

RefSeq Size: 2164 bp

RefSeq ORF: 807 bp

Locus ID: 83549

UniProt ID: [Q9HA47](#)

Cytogenetics: 9q34.13

Protein Families: Druggable Genome

Protein Pathways: Drug metabolism - other enzymes, Metabolic pathways, Pyrimidine metabolism

MW: 30.7 kDa

Gene Summary: 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]

Transcript Variant: This variant (3) uses an alternate splice site in the 5' coding region, compared to variant 1, that results in a protein (isoform c) with a shorter N-terminus, compared to isoform c.