

Product datasheet for **MC205540**

Uck1 (NM_011675) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Uck1 (NM_011675) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Uck1
Synonyms:	Umpk; URK1
Mammalian Cell Selection:	Neomycin
Vector:	PCMV6-Kan/Neo (PCMV6KN)
E. coli Selection:	Kanamycin (25 ug/mL)



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Fully Sequenced ORF: >BC025146
 CCGACGCGTGGGCGGGAGCGGGCAGAGTCGGTGAATGTATGTCCGTCGCTCCGGATATGGCTTCGGCGGG
 AGGCGGCGGCTCGGAGAGCGCCGCGCCGAGGCCGATCGTCCCCAGCCGCGGCCGTTCTCATCGGCGTG
 AGCGGGCGGACCCTAGTGGCAAGTCAACAGTGTGTGAGAAGATCATGGAGCTGCTGGGACAGAACGAAG
 TGGACCGCCGGCAGCGCAAGTTGGTCATCTGAGCCAGGACTGCTTCTACAAGTTCTGACGGCCGAGCA
 GAAGGCCAAGGCTTTGAAGGGACAGTACAATTTTGACCACCCAGATGCTTTTGATAATGATCTGATGCAC
 AAGACCCTGAAAAACATTGTTGAAGGCAAAACTGTCGAGGTCCTACCTATGATTTTGACCCACTCAA
 GGTACCAGAGACCACTGTGGTCTACCCAGCTGATGTGGTTCTGTTCGAGGGCATCTTGGTATTCTACAC
 CCAGGAGATCCGGGACATGTTCCACCTGCGCCTCTTTGTGGACACAGACTCTGATGTTAGGCTGTCTCGA
 AGAGTTCTCCGGGATGTGCAACGAGGAAGGACCTGGAGCAGATCCTGACTCAGTACACCCGCTTTGTGA
 AACCCAGCTTTGAGGAGTTCTGCCTGCCGACTAAGAAGTACGCTGACGTGATCATCCCTCGAGGAGTTGA
 TAATATGGTGGCCATCAACCTGATCGTGAACACATCCAGGACATCCTCAACGGGACCTGTGCAAGCGG
 CACCGAGGCGGGCCCAACGGGCGCAACCACAAGAGGACCTTCCCCGAGCCAGGAGATCACCTGGGGTGT
 TGGCCACTGGCAAGCGCTCACACCTGGAGTCTAGCAGCAGACCCATTGAGGACCAGCATATGTAGGTTT
 CCCACAGACCCAGGATTAAGGGCTGGGGACGACCACTGGCTCCTAAAAGCACAGTCAGGGATCCCTCTC
 AATGAGTGGGACCTAGGGTGGCATCAGGACCAAAGCCTTCTTGCACGGAGGGCAGACTCATGCTGACAG
 AGCATTCTGGGGTCTCCATTCTCTATTGGAGGAGGCCACAGGTCTCTGGGTCACTGTCCCAAACAG
 CATAGTAAGCCATGGTACCAGCTTCCCCAGGGGATGCGGGACACAAATCATGGTGAACAGGAAACAGC
 CCGGGCACTGGCTGGTCTGGTGTGACAGTGAAGCCAAAGGAAGTGTCTCCCGTATGGTGTGGCTTGTG
 TCCATGTTGCAGAAGTAAAGCTTGACAGAGATGTTAGATCCCTTGTGTTTGTGGCAGGCTGTTTGTGA
 GCTCTGAACCTAGTTTTACAACCGACCACTGGGCTATGGTCCAGTTAAGGAGCTGAGGACGGGACCT
 AAGGACTACCCACATGACTCTATCTGGGGCCTGGATCTTGGGTAGATGGGAGTGGGCCATCAGGTCTCT
 TGTGGCTGAAACATTGTCTCCCAATTCTGCAGGCAGCCTTGAACCAGGGGCTGCCTGTGTACAAGTCA
 TTGGGTACAGTTTATGGTATGCAAGCAGGCTCTCTCCAGCCAGGGAGCACTTCAGTGCAGAGGCA
 GGTGACCGTGGCTGCCTAAAGCCAGCTAGTCTCCTGCACACCCAGCTCAAGCTCCTGGCTTCACAAACGC
 TCCCTTGTGTGTCAAGTTTGTGCTCCCTCCCCATGGGACGGCTGTTTTTGGAAAGTGCCTTTGCTGT
 CGCCACAAGCCATGGCACGGGACGTCTCGTTTTATGTTCAATAACAAGTGGATCACAGCAGCTGAGCTG
 TGATGAGCTCGGGGCTGCCTTCTGCTAGTGTGGGCTGGTTTTTGTGAACTGAAACCCCTCTTTGGAGGG
 AGAATCAATAAATAACATAAAACATTAATAA

Restriction Sites: RsrII-NotI

ACCN: NM_011675

Insert Size: 834 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: [BC025146](#), [AAH25146](#)

RefSeq Size: 1959 bp

RefSeq ORF: 834 bp

Locus ID: 22245

UniProt ID: [P52623](#)

Cytogenetics: 2 B

Gene Summary: Phosphorylates uridine and cytidine to uridine monophosphate and cytidine monophosphate. Does not phosphorylate deoxyribonucleosides or purine ribonucleosides. Can use ATP or GTP as a phosphate donor. Can also phosphorylate cytidine and uridine nucleoside analogs such as 6-azauridine, 5-fluorouridine, 4-thiouridine, 5-bromouridine, N(4)-acetylcytidine, N(4)-benzoylcytidine, 5-fluorocytidine, 2-thiocytidine, 5-methylcytidine, and N(4)-anisoylcytidine (By similarity).[UniProtKB/Swiss-Prot Function]