

Product datasheet for MR203431

Uck2 (NM_030724) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Uck2 (NM_030724) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Uck2
Synonyms:	AA407809; AI481316; AU018180; AU020720; TSA903; UK; UMK; Umpk
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>MR203431 ORF sequence Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGCCGGGGACAGCGAGCAGACCCTGCAGAACCACCAGCAGCCCAACGGCGGCGAGCCCTTCTGATCG
GCGTGAGCGGGGCACGGCCAGCGGAAGTCTCCGTTTGTGCTAAGATCGTCCAGCTTTTGGGGCAGAA
TGAGGTGGATTACCACCAGAAGCAGGTGGTGATCCTGAGCCAGGATAGCTTCTACCGAGTCTCACCTCA
GAGCAGAAGGCCAAAGCCCTCAAGGGCCAATCAACTTTGATCACCCGGATGCCTTTGACAACGAACTCA
TCTTCAAACACTCAAAGAAATCACGAAGGAAAACCGTCCAGATCCCGTATACGACTTTGTCTCCCA
CTCACGAAAGAGGAGACGGTCACCATCTACCCGCCGACGTGGTGCTTTCGAAGGGATCTAGCCTTC
TATTTCCAGGAGTCCGAGACCTGTTCCAGATGAAGCTTTTCGTGGACACAGATGCGGATACCCGCTGT
CTCGCCGAGTATTGAGGGACATCAGCGAAAGAGGGAGGGACCTTGAGCAGATTTTATCACAGTACATTAC
GTTTGTGAAGCCTGCCTTTGAGGAATCTGCTTGCCAACAAGAAATACGCCGATGTGATCATTCTAGA
GGTGCCGACAATCTGTGGCCATCAACCTCATCGTGCAACACATCCAGGACATCTCAACGGGGGCTCT
CCAAGCGGCAGACGAACGGCTATCTCAACGGCTACACCCCTTCCCGCAAGAGGCAGGCGTCAGAGTCCAG
CAGCCGACCACAT

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >MR203431 protein sequence
Red=Cloning site Green=Tags(s)

MAGDSEQTLQNHQQPNGGEPFLIGVSGGTASGKSSVCAKIVQLLGQNEVDYHQKQVVILSQDSFYRVLTS
 EQKAKALKGQFNFDHPDAFDNELIFKTLKEITEGKTVQIPVYDFVSHSRKEETVTIYPADVLFEGILAF
 YSQEVRDLFQMKLFVDTADTRLSRRVLRDISERGRDLEQILSQYITFVKPAFEEFCLPTKKYADVIIIPR
 GADNLVAINLIVQHIQDILNGLSKRQTNGYLNQYTPSRKRQASESSSRPH

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI

Cloning Scheme:

Cloning sites used for ORF Shuttling:



* The last codon before the Stop codon of the ORF

ACCN: NM_030724

ORF Size: 786 bp

OTI Disclaimer: The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. [More info](#)

OTI Annotation: This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.

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_030724.1](#), [NM_030724.2](#), [NM_030724.3](#), [NP_109649.1](#)

RefSeq Size: 1338 bp

RefSeq ORF: 786 bp

Locus ID: 80914

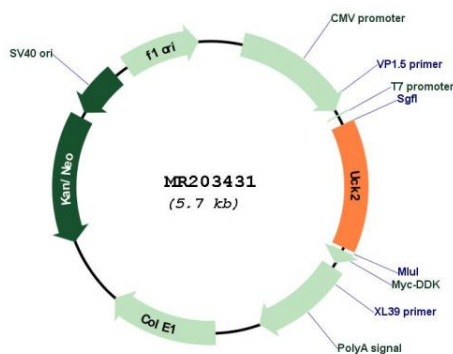
UniProt ID: [Q99PM9](#)

Cytogenetics: 1 H2.3

MW: 29.4 kDa

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]

Product images:



Circular map for MR203431