

## Product datasheet for **MG203431**

### Uck2 (NM\_030724) Mouse Tagged ORF Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** Uck2 (NM\_030724) Mouse Tagged ORF Clone  
**Tag:** TurboGFP  
**Symbol:** Uck2  
**Synonyms:** AA407809; AI481316; AU018180; AU020720; TSA903; UK; UMK; Umpk  
**Mammalian Cell Selection:** Neomycin  
**Vector:** pCMV6-AC-GFP (PS100010)  
**E. coli Selection:** Ampicillin (100 ug/mL)  
**ORF Nucleotide Sequence:** >MG203431 representing NM\_030724  
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGGCCGGGGACAGCGAGCAGACCCTGCAGAACCACCAGCAGCCCAACGGCGGCGAGCCCTTCTGATCG  
GCGTGAGCGGGGCACGGCCAGCGGAAGTCTCCGTTTGTGCTAAGATCGTCCAGCTTTTGGGGCAGAA  
TGAGGTGATTACCACCAGAAGCAGGTGGTGATCCTGAGCCAGGATAGCTTCTACCGAGTCTCACCTCA  
GAGCAGAAGGCCAAAGCCCTCAAGGGCCAATTCAACTTTGATCACCCGGATGCCTTTGACAACGAACTCA  
TCTTCAAACACTCAAAGAAATCACGAAGGAAAAACCGTCCAGATCCCGTATACGACTTTGTCTCCCA  
CTCACGAAAGAGGAGACGGTCACCATCTACCCGCCGACGTGGTGCTTTCGAAGGGATCTAGCCTTC  
TATTTCCAGGAGTCCGAGACCTGTTCCAGATGAAGCTTTTCGTGGACACAGATGCGGATACCCGCTGT  
CTCGCCGAGTATTGAGGGACATCAGCGAAAGAGGGAGGGACCTTGAGCAGATTTTATCACAGTACATTAC  
GTTTGTGAAGCCTGCCTTTGAGGAATTCTGCTTGCCAACAAGAAATACGCCGATGTGATCATTCTAGA  
GGTGCCGACAATCTGTGGCCATCAACCTCATCGTGCAACACATCCAGGACATCTCAACGGGGGCTCT  
CCAAGCGCAGACGAACGGCTATCTCAACGGCTACACCCCTTCCCGCAAGAGGCAGGCGTCAGAGTCCAG  
CAGCCGACCACAT

**ACGCGTACGCGGCCGCTCGAG** - GFP Tag - GTTTAA



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**Protein Sequence:** >MG203431 representing NM\_030724  
 Red=Cloning site Green=Tags(s)

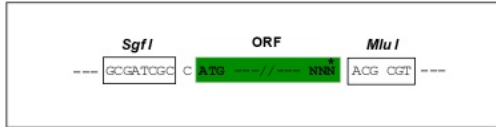
MAGDSEQLQNHQQPNGGEPFLIGVSGGTASGKSSVCAKIVQLLGQNEVDYHQKQVVILSQDSFYRVLTS  
 EQKAKALKGQFNFDHPDAFDNELIFKTLKEITEGKTQVIPYDFVSHSRKEETVTIYPADVLFEGILAF  
 YSQEVRDLFQMKLFVDTADTRLSRRVLRDISERGRDLEQILSQYITFVKPAFEEFCLPTKKYADVIIPR  
 GADNLVAINLIVQHIQDILNGLSKRQTNGYLNQYTPSRKRQASESSSRPH

TRTRPLE - GFP Tag - V

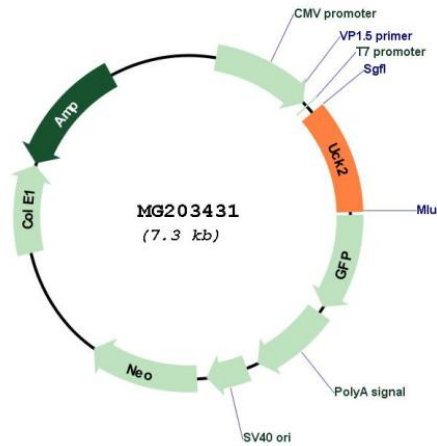
**Restriction Sites:** SgfI-MluI

**Cloning Scheme:**

Cloning sites used for ORF Shutting:



**Plasmid Map:**



**ACCN:** NM\_030724

**ORF Size:** 783 bp

<b>OTI Disclaimer:</b>	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. <a href="#">More info</a>
<b>OTI Annotation:</b>	This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
<b>Components:</b>	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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"><li>1. Centrifuge at 5,000xg for 5min.</li><li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li><li>3. Close the tube and incubate for 10 minutes at room temperature.</li><li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li><li>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.</li></ol>
<b>RefSeq:</b>	<a href="#">NM_030724.1</a> , <a href="#">NP_109649.1</a>
<b>RefSeq Size:</b>	1354 bp
<b>RefSeq ORF:</b>	786 bp
<b>Locus ID:</b>	80914
<b>UniProt ID:</b>	<a href="#">Q99PM9</a>
<b>Cytogenetics:</b>	1 H2.3
<b>Gene Summary:</b>	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]