

## Product datasheet for MR206646

### Uhmk1 (NM\_010633) Mouse Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Uhmk1 (NM_010633) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Uhmk1
Synonyms:	4732477C12Rik; 4930500M09Rik; AA673513; AI449218; AU021979; C820018A03Rik; KIS; Kist
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin
ORF Nucleotide Sequence:	>MR206646 ORF sequence Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCCGCGATCGCC

ATGGCGGGGTCCGGCTGCGCGTGGGGCGCCGAGCCGCCGCGCTTCTGGAGGCCTTCGGCGCGGTGTGGC  
AGGTCCAGAGCCGCTGGGCAGCGGCTCGTCGGCTCGGTGTACCGGGTGCAGTGTGCGGTACCCCGGG  
CTCGCCCCCGGGGCCCTCAAGCAGTTCCTGCCTCCGGGAACCACCGGGGCTGCGGCCTCGGCCGCGGAG  
TATGGTTTCCGCAAAGAGAGGGCGCGCTGGAGCAGTTGCAGGGTACAGGAACATCGTGACTTTATATG  
GAGTCTTTACCATACACTTCTCTCCAATGTGCCATCACGCTGTCTGCTGCTTGAACCTGGATGTCAG  
TGTTTTCGGAATTGCTTTTATATTCCAGTCATCAGGGTGTCCATGTGGATGATACAGCACTGTGCCCGA  
GATGTTCTGGAGGCCCTCGTTTTCTTACCATGAGGGCTACGTCCATGCAGACCTCAAACCACGAAACA  
TCCTGTGGAGTGCAGGAGAATGAGTGTTTAAGCTTATTGACTTTGGACTCAGCTTCAAAGAAGGCAATCA  
GGACGTAAGTATATTACAGACAGCGGTATCGCGCTCCTGAAGCAGAGCTGCAGAACTGCTTGGCCAG  
GCCGGCCTGCAGAGTGATACAGAATGTACCTCAGCTGTTGATCTGTGGAGCCTCGGAATCATTTTACTGG  
AAATGTTCTCAGGAATGAAGCTGAAACATACAGTCAGATCTCAGGAATGGAAGGCAAAACAGTTCTGCTAT  
TATTGATCATATATTTGCCAGTAAAGCAGTGGTGAATGCCGAATTCAGCCTATCACCTCAGAGACCTT  
ATCAAAGCATGCTTCATGATGACCCGGGCAGAGAATCCTGCTGAGATGGCATTGTGCAGCCATTCT  
TTAGCATTCTTTGCCCTCATATTGAAGATCTGGTGTGCTTCCGACTCCAGTGTCTCAGGCTCTCAA  
TGTGCTGGATGATGATTACCTTGAAAAATGAAGATGAATATGAAGATGTTGTAGAAGATGTAAAGAGGAG  
TGTCAGAAATATGGACCAGTGGTTTCTCTGCTTGTCCAAAGGAAAAATCCTGGCAGAGGACAAGTCTTCG  
TTGAGTACGCGAACGCTGGTATTCCAAGCTGCTCAGAAGTTGCTGACTGGGAGGATGTTTGACGGGAA  
GTTTGTGTGGCTACATTCTACCGCTGAGTGCCTACAAGAGGGATATCTTTATCAAACCTTGCTT

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA



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**Protein Sequence:** >MR206646 protein sequence  
Red=Cloning site Green=Tags(s)

MAGSGCAWGAEPFRLEAFGRLWQVQSRLGSGSSASVYRVRCCTPGSPPGALKQFLPPGTTGAAASAAE  
 YGFRKERAALQLQGHRNIVTL YGVFTIHFSPNVPSRCLLLELLDVSSELLLYSSHQGCMMMIQHCR  
 DVLEALAFHHEGYVHADLKPRNILWSAENECFKLIDFGLSFKEGNQDVKIQTGYRAPEALQNCLAQ  
 AGLQSDTECTSAVDLWSLGIILLEMFSGMKPKHTVRSQEWKANSASAIIDHIFASKAVVNAIPAYHLRDL  
 IKSMHLDDPGRRIPAEMALCSPFFSIPFAPHIEDLVMLPTPVLRLNLVDDDDYLENEDEYEDVVEDVKEE  
 CQKYGPVYVSLVLPKENPGRGQVFVEYANAGDSKAAQKLLTGRMFDGKVVVATFYPLSAYKRGYLYQTLL

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

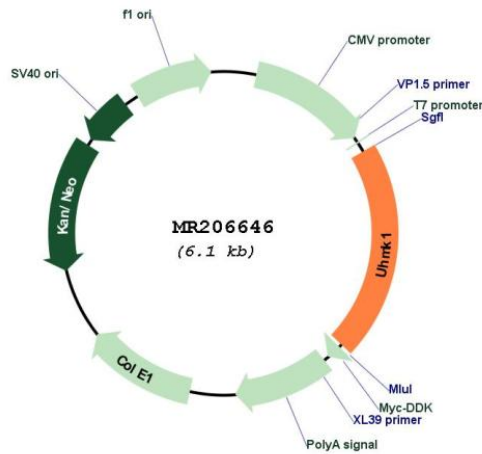
**Restriction Sites:**

SgfI-MluI

**Cloning Scheme:**



**Plasmid Map:**



**ACCN:**

NM\_010633

<b>ORF Size:</b>	1260 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_010633.4</a>
<b>RefSeq Size:</b>	2041 bp
<b>RefSeq ORF:</b>	1260 bp
<b>Locus ID:</b>	16589
<b>UniProt ID:</b>	<a href="#">P97343</a>
<b>Cytogenetics:</b>	1 H3
<b>MW:</b>	46.5 kDa
<b>Gene Summary:</b>	Upon serum stimulation, phosphorylates CDKN1B/p27Kip1, thus controlling CDKN1B subcellular location and cell cycle progression in G1 phase. May be involved in trafficking and/or processing of RNA (By similarity).[UniProtKB/Swiss-Prot Function]