

## Product datasheet for **MG206646**

### Uhmk1 (BC058732) Mouse Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Uhmk1 (BC058732) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Uhmk1
Synonyms:	4732477C12Rik; 4930500M09Rik; AA673513; AI449218; AU021979; C820018A03Rik; KIS; Kist; OTTMUSG00000021542; P-CIP2
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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**ORF Nucleotide Sequence:**

>MG206646 representing BC058732  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGCATCGCC**

ATGGCGGGTCCGGCTGCGCGTGGGGCGCCGAGCCCGCGCTTCTGGAGGCCCTCGGGCGGCTGTGGC  
 AGGTCCAGAGCCGCTGGGCAGCGGCTCGTCGGCCTCGGTGTACCGGGTGCGGTGTGCGGTACCCCGGG  
 CTCGCCCCCGCGCCCTCAAGCAGTTCCTGCCTCCGGGAACCACCGGGGCTGCGGCCTCGGCCGCGGAG  
 TATGGTTTCCGCAAAGAGAGGGCGGCTGGAGCAGTTGCAGGGTACAGGAACATCGTACTTTATATG  
 GAGTCTTTACCATACTTCTCTCCAATGTGCCATCACGCTGTCTGCTGTTGAACCTCGGATGTCAG  
 TGTTTTCGAATTGCTTTTATATCCAGTCATCAGGGCTGCTCCATGTGGATGATACAGCACTGTGCCGA  
 GATGTTCTGGAGGCCCTCGTTTTCTCCACATGAGGGCTACGTCATGCAGACCTCAAACCACGAAACA  
 TCCTGTGGAGTGGGAGAATGAGTGTTTAAGCTTATTGACTTTGGACTCAGTTCAAAGAAGGCAATCA  
 GGACGTAAGTATATTCAGACAGACGGGTATCGCGCTCCTGAAGCAGAGCTGCAGAACTGCTTGGCCAG  
 GCCGGCTGCAGAGTGATACAGAATGTACTCAGCTGTTGATCTGTGGAGCCTCGGAATCATTTTACTGG  
 AAATGTTCTCAGGAATGAAGCTGAAACATACAGTCAGATCTCAGGAATGGAAGGCAACAGTTCTGCTAT  
 TATTGATCATATTTGCCAGTAAAGCAGTGGTGAATGCCCAATTCCAGCCTATCACCTCAGAGACCTT  
 ATCAAAGCATGCTTCATGATGACCCGGGCAGAAGAATCCCTGCTGAGATGGCATTGTGCAGCCCATTCT  
 TTAGCATTCTTTGCCCTCATATTGAAGATCTGGTGTGCTCCGACTCCAGTGTCTCAGGCTCTCAA  
 TGTGCTGGATGATGATTACCTTGAAGATGAAGATGAATATGAAGATGTTGTAGAAGATGTAAAGAGGAG  
 TGTCAGAAATATGACCAGTGGTTCTCTGCTTGTCCAAGGAAAATCCTGGCAGAGGACAAGTCTTCG  
 TTGAGTACGCGAACGCTGGTGATTCCAAGCTGCTCAGAAGTTGCTGACTGGGAGGATGTTTGACGGGAA  
 GTTTGTTGTGGCTACATTCTACCCGCTGAGTGCCTACAAGAGGGGATATCTTTATCAAACCTTGCTT

**ACGCGTACGCGGCCGCTCGAG** - GFP Tag - GTTTAA

**Protein Sequence:**

>MG206646 representing BC058732  
 Red=Cloning site Green=Tags(s)

MAGSGCAWGAEPFRLEAFGRWLWQVQSRLGSGSSASVYRVRCCTPGSPPGALKQFLPPGTTGAAASAAE  
 YGFRKERAALQLQGHRNIVTLYGVFTIHFSPNVPSRCLLLELLDVSVSELLLYSSHQGCMMWMIQHRCAR  
 DVLEALAFHHEGYVHADLKPRNILWSAENECFKLIDFGLSFKEGNQDVKYIQTGYRAPEAELQNCLAQ  
 AGLQSDTECTSAVDLWLSGLIILLEMFSGMKPKHTVRSQEWKANSSAIIIDHIFASKAVVNAAIPAYHLRDL  
 IKSMHLDDPGRRIPAEMALCSPFFSIPFAPHIEDLVMLPTVLRLLNLVDDDYLENEDEYEDVVEDVKEE  
 CQKYGPVVSLLPKENPGRGQVFVEYANAGDSKAAQKLLTGRMFDGKFFVATFYPLSAYKRGYLYQTLL

**TRTRPLE** - GFP Tag - V

**Restriction Sites:**

Sgfl-MluI

**Cloning Scheme:**


**ACCN:** BC058732

**ORF Size:** 1259 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:** [BC058732](#), [AAH58732](#)

**RefSeq Size:** 2041 bp

**RefSeq ORF:** 1259 bp

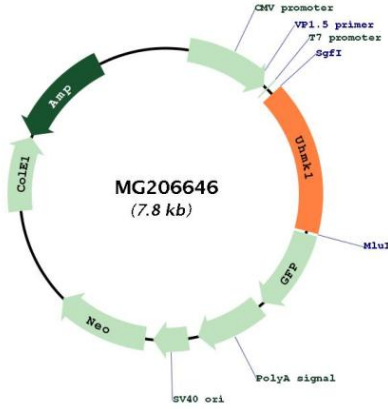
**Locus ID:** 16589

**Cytogenetics:** 1 H3

**Gene Summary:**

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]

**Product images:**



Circular map for MG206646