

## Product datasheet for **MC221683**

### Uhrf2 (NM\_144873) Mouse Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Uhrf2 (NM_144873) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Uhrf2
Synonyms:	2310065A22Rik; AI426270; AW214556; D130071B19Rik; Nirf
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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**Fully Sequenced ORF:** >MC221683 representing NM\_144873  
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGCATCGCC**

ATGTGGATCCAGTCCGCACCATCGACGGCTCCCAGACGCGCACCATCGAGGACGTTTCTCGCAAAGCCA  
 CCATCGAGGAGCTGCGCGAGCGGTCTGGGCGCTTTCGATGTAAGGCCCGAGTGCCAGCGCCTGTTCTA  
 CCGGGGCAAGCAGTTGAAAAATGGATATACTTTATTTGACTACGACGTTGGACTGAATGATATAATTTCAG  
 CTGCTAGTTCGTCCAGACTCCAGTCTTCTAGCACATCTAAGCAGAATGATGCTCAGGTTAAACCCTCTT  
 CTCATAATCCGCCTAAAGTAAAGAAAACAGCAAGAGGGGGATCTTCCAGTCAGCCATCTACATCAGCTCG  
 CACTTGTCTTATTGACCCTGGCTTTGGACTATATAAGGTAATGAATTGGTGGATGCCAGAGATGTCGGC  
 CTTGGTGTGGTTTGAAGCACATACATAGTGTACTAGAGCTTCTGATGGACATTCACGTGGCAAAA  
 CTCCTCAAGAATGGCAGTTCCTATAAAAGGACTAATGGAAATGTAATCATAATTCAAAGAGAACAC  
 AAATAAATGGACAATGTACCCTCTACGTCTAATTCAGACTCAGTTGCTGCTGATGAAGACGTTATTTAT  
 CATATCGAGTATGATGAATATCCAGAAAGTGGTATACTAGAGATGAATGTTAAGGATCTTCGACCACGAG  
 CAAGGACCATTTAAAATGGAATGAACTAAATGTTGGTGTGTGGTAATGGTTAATTACAATGTAGAAAA  
 TCCAGGCAAAAGAGGATTTTGGTATGATGCTGAAATTACCACACTGAAGACAATATCAAGGACCAAAAAG  
 GAAGTTCGTGTGAAAGTTTTCTGGGGGCTCTGAAGGCACATTAATGACTGCCGAGTGATGCTGTAG  
 ATGAAATCTTCAAGATTGAGAAGCTGGAGCCCATCCCATTTCTTTGCAGATGGAAAGTTTTAAGGAA  
 AAATGACCCTGAATGTGACCTGTGTGGTGGAGACCCAGATAAGACCTGTCACATGTGTCGTGCATAAG  
 TGTGGAGAGAAGCGGGACCCCAACATGCAGCTGCTGTGACGAGTGAATATGGCCTATCACATTTACT  
 GCCTGAGCCACCTCTGGACAAAGTCCCAGGAGGAATACTGGTATTGTCCTTCTGTAAGGACTC  
 CAGTGAGGTGGTAAAGGCTGGAGAGAGACTCAAGCTGAGTAAGAAGAAAGCGAAGATGCCCTCAGCCAGT  
 ACTGAGAGCCGGAGGACTGGGGCAGGGGAATGGCTTGTGTTGGTGTGACAAAAGAAATGACTATTGTCC  
 CTTCAAATCATTATGGACCAATCCCTGGTATTCTGTTGGATCAACTGGAGATTCAGAGTTCAGGTGAG  
 CGAAGCAGGTGTTTCATCGCCACATGTTGGTGAATTCATGGTCGAGCAATGATGGGGCTTATTCTCTT  
 GTCCTGGCTGGAGATTTGAAGATGAAGTTGACCGAGGTGATGAGTTCACGTATACTGGAAGCGGTGGTA  
 AAAATCTGTGGTAATAAAAAGAAATGGAGCTCCATCGGCTGACCAGACACTAACAAACATGAACAGGGC  
 ATTTGGCCCTAAACTGTGATGCTCCATTGGATGATAAAAATGGAGCAGAGTCTCGGAATTGGAGAGCTGGT  
 AAGCCCGTCAGAGTGATACGCAGTTTTAAAGGGAGGAAGATCAGCAAATATGCTCCAGAAGAAGGCAACA  
 GATATGATGGCATTATTAAGGTGGTAAAATACTGGCCAGAGATTTTCATCCAGCCATGGCTTCTTGGTTTG  
 GCGTTATCTTTAAGAAGAGATGATGTTGAACCTGCTCCTTGGACCTCAGAAGGAATCGAACGATCAAGG  
 AGACTGTGTCTGCGATTGCAAGTACCCAGCAGGTTACCCCTCGGAAAAGGAAGGCAAGAAGACCAAGGGGC  
 AGTCAAAGAAGCAGGGCAGTGAGGCCACCAAAAGGCCAGCTTCAGATGATGAGTGTCCAGGTGACTCCAA  
 AGTGTGAAGGCATCAGATTCAACAGATGCTGTAGAGGCTTTCAGCTCACGCCTCAGCAGCAGCGCCTG  
 ATCAGAGAAGACTGTGAGAACCAGAAGCTGTGGGATGAAGTACTTGCATCTTTGTAGAAGGACCGAATT  
 TTCTGAAGAAATGGAACAATCTTTATGTGTGTGCTGCCAAGAACTAGTTTACCAGCCTGTCAACAAC  
 TGAATGCTTTCAACAGTCTGTAAGGATTGCTTACAGCGCTCCTTAAAGGCCAGGTTTTCTCCTGCCCT  
 GCTTGCCGCCATGATCTCGGGCAGAATTATGTCATGGTTCTAAATGAGACCCTCCAAACTGCTTGACC  
 TCTTCTCCCTGGCTACAGCAAAGGCCGGTGA

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Restriction Sites:** SgfI-MluI  
**ACCN:** NM\_144873  
**Insert Size:** 2412 bp

<b>OTI Disclaimer:</b>	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).
<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_144873.2</a> , <a href="#">NP_659122.2</a>
<b>RefSeq Size:</b>	3595 bp
<b>RefSeq ORF:</b>	2412 bp
<b>Locus ID:</b>	109113
<b>UniProt ID:</b>	<a href="#">Q7TMI3</a>
<b>Cytogenetics:</b>	19 C1
<b>Gene Summary:</b>	E3 SUMO-, but not ubiquitin-, protein ligase for ZNF131 (By similarity). E3 ubiquitin-protein ligase that is an intermolecular hub protein in the cell cycle network. Ubiquitinates cyclins, CCND1 and CCNE1, in an apparently phosphorylation-independent manner and induces G1 arrest. Also ubiquitinates PCNP leading to its degradation by the proteasome. Through cooperative DNA and histone binding, may contribute to a tighter epigenetic control of gene expression in differentiated cells.[UniProtKB/Swiss-Prot Function]