

Product datasheet for **RG217766**

UHRF1 (NM_001048201) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	UHRF1 (NM_001048201) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	UHRF1
Synonyms:	hNP95; hUHRF1; huNp95; ICBP90; Np95; RNF106; TDRD22
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



[View online »](#)

ORF Nucleotide Sequence:

>RG217766 representing NM_001048201
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGTGGATCCAGTTTCGGACCATGGACGGGAGGCAGACCCACACGGTGGACTCGTGTCCAGGCTGACCA
 AGGTGGAGGAGCTGAGGCGGAAGATCCAGGAGCTGTTCCACGTGGAGCCAGGCCTGCAGAGGCTGTTCTA
 CAGGGGCAAACAGATGGAGGACGCCATACCCTCTTCGACTACGAGGTCCGCCTGAATGACACCATCCAG
 CTCCTGGTCCGCCAGAGCCTCGTGTCCCCACAGCACCAAGGAGCGGGACTCCGAGCTCTCCGACACCG
 ACTCCGGTGTGCTGGCCAGAGTGAGTGCAGACAAGTCCACCCACGGTGGAGCGGCCGCCGAGAC
 TGACAGCAGGCCAGCCGATGAGGACATGTGGGATGAGACGGAATTGGGGCTGTACAAGGTCAATGAGTAC
 GTCGATGCTCGGACACGAACATGGGGCGTGGTTTGGGCGCAGGTGGTCAAGGTGACCGGAAGGCC
 CCTCCCGGACGAGCCCTGCAGTCCACGTCCAGGCCGGCTGGAGGAGACGTCATTTACCACGTGAA
 ATACGACGACTACCCGGAGAACGGCGTGGTCCAGATGAACTCCAGGGACGTCGAGCGCGGCCCGCACC
 ATCATCAAGTGGCAGGACCTGGAGGTGGCCAGGTGGTCAATGCTCAACTACAACCCCGACAACCCCAAGG
 AGCGGGGCTTCTGGTACGACCGGAGATCTCCAGGAAGCGGAGACCAGGACGGCGCGGGAACCTCTACGC
 CAACGTGGTGTGGGGATGATTCTCTGAACGACTGTCCGATCATCTTCGTGGACGAAGTCTTCAAGATT
 GAGCGGCCGGGTGAAGGGAGCCCATGGTTGACAACCCATGAGACGGAAGAGCGGGCCGTCTGCAAGC
 ACTGCAAGGACGACGTGAACAGACTCTGCCGGTCTGCGCTGCCACCTGTGCGGGGCCGCGAGGACCC
 CGACAAGCAGCTCATGTGCGATGAGTGCACATGGCCTCCACATCTACTGCCTGGACCCGCCCTCAGC
 AGTGTTCACGAGGACGAGTGGTACTGCCCTGAGTCCGGAATGATGCCAGCGAGGTGGTACTGGCGG
 GAGAGCGGCTGAGAGAGAGCAAGAAGAAGGCGAAGATGGCTCGGCCACATCGTCTCACAGCTCAGGAC
 GGGCAAGGGCATGGCCTGTGTGGGCCGACCAAGGAATGTACCATCGTCCCGTCCAACCACTACGGACCC
 ATCCCGGGATCCCGTGGGCACCATGTGGCGTTCCGAGTCCAGGTGAGCGAGTGGGTGTCCATCGGC
 CCCACGTGGTGGCATAACGCGCGGAGCAACGACGGAGCGTACTCCCTAGTCTGGCGGGGGCTATGA
 GGATGATGTGGACCATGGGAATTTTTTACATACACGGGTAGTGGTGGTGGAGATCTTCCGGCAACAAG
 AGGACCGCGAACAGTCTTGTGATCAGAACTCACCAACCAACAGGGCGTGGCTCTCAACTGCTTTG
 CTCCCATCAATGACCAAGAAGGGCCGAGGCCAAGGACTGGCGGTGGGGAAGCCGGTCAAGGTGGTGGC
 CAATGTCAAGGGTGGCAAGAATAGCAAGTACGCCCGCTGAGGGCAACCGCTACGATGGCATCTACAAG
 GTTGTGAAATACTGGCCCAGAAAGGGGAAGTCCGGTTTTCTCGTGTGGCGCTACCTTCTGCGGAGGACG
 ATGATGAGCCTGGCCCTTGGACGAAGGAGGGGAAGGACCGGATCAAGAAGCTGGGGCTGACCATGCAGTA
 TCCAGAAGGCTACCTGGAAGCCCTGGCCAACCGAGAGCGAGAGAAGGAGAACAGCAAGAGGGAGGAGGAG
 GAGCAGCAGGAGGGGGGCTTCGCGTCCCCAGGACGGGCAAGGGCAAGTGGAAAGCGGAAGTGGCAGGAG
 GTGGCCCGAGCAGGGCCGGTCCCCGCGCCGACATCCAAGAAAACCAAGGTGGAGCCCTACAGTCTCAC
 GGCCAGCAGAGCAGCCTCATCAGAGAGGACAAGAGCAACGCCAAGCTGTGGAATGAGGTCTGGCGTCA
 CTCAAGGACCGCCGCGAGCGGACGCCGTTCCAGTTGTTCTGAGTAAAGTGGAGGAGACGTTCCAGT
 GTATCTGCTGTCAGGAGCTGGTGTCCGGCCATCACGACCGTGTGCCAGCACACGTGTGCAAGGACTG
 CCTGGACAGATCCTTTCGGGCACAGGTGTTTCAGCTGCCCTGCCCTGCGGCTACGACCTGGGCCGAGCTAT
 GCCATGCAGGTGAACAGCCTCTGCAGACCGTCTCAACCAGCTTTCGCCGGTACGGCAATGGCCGG

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

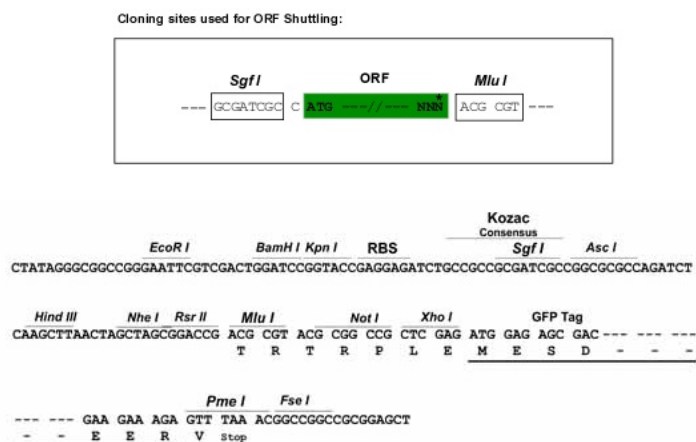
Protein Sequence: >RG217766 representing NM_001048201
 Red=Cloning site Green=Tags(s)

```
MWIQVRTMDGRQTHTVDSL SRL TKVEELRRKIQELFHVEPGLQRLFYRGKQMEDGHTLFDYEVRLNDTIQ
LLVVRQSLVLPSTKERDSELSDTDSGCCLGQSESDKSSTHGEEAAETDSRPAEDMWDTELGLYKVNEY
VDARDTNMGAWFEAQVVRVTRKAPSRDEPCSSSTRPALEEDVIYHVKYDDYPENGVVQMNSRDVRRART
IIKWQDLEVGQVVMLNYPNPNKERGFWYDAEISRKRETRTARELYANVVLGDDSLNDCRIIFVDEVFKI
ERPGEQSPMVDNPMRRKSGPSCCHKDDVNRLCRVCACHLCGGRQDPDKQLMCDECDMAFHICYCLDPPLS
SVPSEDEWYCPECRNDASEVVLAGERLRESKKKAKMASATSSSQRDWKGMACVGRKTECTIVPSNHYGP
IPGIPVGTMMWFRVQVSESGVHRPHVAGIHGRSNDGAYSLVLAGGYEDDVHGNFFTYTGSGRDLSGNK
RTAEQSCDQKLTNTNRALALNCFAPINDQEGAEAKDWRSGKPVVVRNVKGGKNSKYAPAEGNRYDGIYK
VVKYWPEKKGSGFLVWRYLRRDDDEPGPWTKEGKDRIKLLGLTMQYPEGYLEALANREREKENSKREEE
EQQEGGFASPRTGKGKWRKSAGGGPSRAGSPRRTSKTKVEPYSLTAQQSSLIREDKSNAKLWNEVLAS
LKDRPASGSPFLFLSKVEETFQICCCQELVFRPITTVCCQHNVCDCDLDRSFRAQVFSACPACRYDLGRSY
AMQVYNQLQTVLNQLFPGYGNR
```

TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_001048201

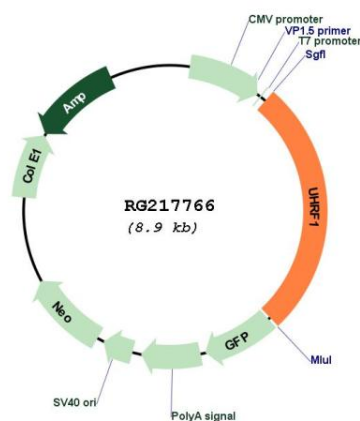
ORF Size: 2379 bp

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:	<ol style="list-style-type: none"> 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:	<u>NM_001048201.3</u>
RefSeq Size:	3922 bp
RefSeq ORF:	2382 bp
Locus ID:	29128
UniProt ID:	<u>Q96T88</u>
Cytogenetics:	19p13.3
Protein Families:	Druggable Genome, Transcription Factors
Gene Summary:	This gene encodes a member of a subfamily of RING-finger type E3 ubiquitin ligases. The protein binds to specific DNA sequences, and recruits a histone deacetylase to regulate gene expression. Its expression peaks at late G1 phase and continues during G2 and M phases of the cell cycle. It plays a major role in the G1/S transition by regulating topoisomerase IIalpha and retinoblastoma gene expression, and functions in the p53-dependent DNA damage checkpoint. It is regarded as a hub protein for the integration of epigenetic information. This gene is up-regulated in various cancers, and it is therefore considered to be a therapeutic target. Multiple transcript variants encoding different isoforms have been found for this gene. A related pseudogene exists on chromosome 12. [provided by RefSeq, Feb 2014]

Product images:



Circular map for RG217766

