

## Product datasheet for SC318290

### UHRF1 (NM\_013282) Human Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	UHRF1 (NM_013282) Human Untagged Clone
Tag:	Tag Free
Symbol:	UHRF1
Synonyms:	hNP95; hUHRF1; huNp95; ICBP90; Np95; RNF106; TDRD22
Mammalian Cell Selection:	None
Vector:	<u><a href="#">pCMV6-XL5</a></u>
E. coli Selection:	Ampicillin (100 ug/mL)

**Fully Sequenced ORF:** >OriGene sequence for NM\_013282 edited  
CGACTCCTTAGAGCATGGCATGGCTCAGAGGTGCTGGTAAAACACTGATGGGGGTTTTTGTCT  
GTCCCTCCCTCAGCTCCGACACCATGTGGATCCAGGTTCCGACCATGGATGGGAGGCAG  
ACCCACACGGTGGACTCGCTGTCCAGGCTGACCAAGGTGGAGGAGCTGAGGCGGAAGATC  
CAGGAGCTGTTCCACGTGGAGCCAGGCCTGCAGAGGCTGTTCTACAGGGCAAACAGATG  
GAGGACGGCCATACCCTCTCGACTACGAGGTCGCGCTGAATGACACCATCCAGCTCCTG  
GTCCGCCAGAGCCTCGTGTCTCCCCACAGCACCAAGGAGCGGGACTCCGAGCTCTCCGAC  
ACCGACTCCGGCTGCTGCCTGGGCCAGAGTGAGTCAGACAAGTCTCCACCCACGGTGAG  
GCGGCCGCCGAGACTGACAGCAGGCCAGCCGATGAGGACATGTGGGATGAGACGGAATTG  
GGGCTGTACAAGGTCAATGAGTACGTGATGCTCGGGACACGAACATGGGGCGTGGTTT  
GAGGCGCAGGTGGTCAGGGTGACGCGGAAGGCCCTCCCGGGACGAGCCCTGCAGCTCC  
ACGTCCAGGCCGGCGCTGGAGGAGGACGTCATTTACCACGTGAAATACGACGACTACCCG  
GAGAACCGCGTGGTCCAGATGAACTCCAGGGACGTCAGGCGCGCCCGCACCATCATC  
AAGTGGCAGGACCTGGAGGTGGGCCAGGTGGTCAATGCTCAACTACAACCCCGACAACCC  
AAGGAGCGGGGCTTCTGGTACGACGCGGAGATCTCCAGGAAGCGCGAGACCAGGACGGCG  
CGGGAACCTACGCCAACGTGGTGTGGGGATGATTCTCTGAACGACTGTCCGATCATC  
TTCGTGGACGAAGTCTTCAAGATTGAGCGGCCGGTGAAGGGAGCCCATGGTTGACAAC  
CCCATGAGACGGAAGAGCGGGCCGTCCTGCAAGCACTGCAAGGACGACGTGAACAGACTC  
TGCCGGGTCTGCGCTGCCACCTGTGCGGGGGCCGGCAGGACCCGACAAGCAGTCATG  
TGCGATGAGTGCGACATGGCCTTCCACATCTACTGCCTGGACCCGCCCTCAGCAGTGTT  
CCCAGCGAGGACGAGTGGTACTGCCCTGAGTGCCGGAATGATGCCAGCGAGGTGGTACTG  
GCGGGAGAGCGGCTGAGAGAGAGCAAGAAGAAGGCGAAGATGGCCTCGGCCACATCGTCC  
TCACAGCGGGACTGGGGCAAGGGCATGGCCTGTGTGGGCCGACCAAGGAATGTACCATC  
GTCCCGTCCAACCACTACGGACCATCCCGGGGATCCCGTGGGACCATGTGGCGGTTT  
CGAGTCCAGGTGACGAGTGGGTGTCCATCGGCCACGTTGGCTGGCATAACCGGCCGG  
AGCAACGACGGAGCGTACTCCCTAGTCTGGCGGGGGCTATGAGGATGACGTGGACCAT  
GGGAATTTTTTACATACACGGGTAGTGGTGGTGCAGATCTTCCGGCAACAAGAGGACC



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CGGGAACAGTCTTGTGATCAGAACTACCAACACCAACAGGGCGCTGGCTCTCAACTGC
TTTGCTCCCATCAATGACCAAGAAGGGCCGAGGCCAAGGACTGGCGGTGGGGAAGCCG
GTCAGGGTGGTGCGAATGTCAAGGGTGGCAAGAAATAGCAAGTACGCCCCGCTGAGGGC
AACCGCTAYGATGGCATCTACAAGTTGTGAAATACTGGCCCAGAGGGGAAGTCCGGG
TTTCTCGTGTGGCGCTACCTTCTCGGAGGGACGATGATGAGCCTGGCCCTTGGACGAAG
GAGGGGAAGGACCGGATCAAGAAGCTGGGGTGACCATGCAGTATCCAGAAGGCTACCTG
GAAGCCCTGGCCAACCGAGAGCGAGAGAAGGAGAACAGCAAGAGGGAGGAGGAGGAGCAG
CAGGAGGGGGCTTCGCGTCCCCAGGACGGGCAAGGGCAAGTGAAGCGGAAGTCGGCA
GGAGGTGGCCGAGCAGGGCCGGTCCCCGCGCCGGACATCCAAGAAAACCAAGGTGGAG
CCCTACAGTCTCACGGCCAGCAGAGCAGCCTCATCAGAGAGGACAAGAGCAACGCCAAG
CTGTGGAATGAGGTCTGGCGTCACTCAAGGACCGCCGCGAGCGGCAGCCGTTCCAG
TTGTTCTGAGTAAAGTGGAGGAGACGTTCCAGTGTATCTGCTGCAGGAGCTGGTGTTC
CGGCCATCACGACCGTGTGCCAGCACACGTGTGCAAGGACTGCCTGGACAGATCCTTT
CGGGCACAGGTGTTGAGTGCCTGCCCTGCGCTACGACCTGGGCCGAGCTATGCCATG
CAGGTGAACCAGCCTCTGCAGACCGTCTCAACCAGCTTCCCCGGCTACGGCAATGGC
CGGTGATCTCAAAGCACTTCTCGACAGGCGTTTTGCTGAAAACGTGTCGGAGGGCTCGTT
CATCGGCACTGATTTTGTCTTAGTGGGCTTAACTTAAACAGGTAGTGTTCCTCCGTTCC
CCTAAAAGGTTTGTCTTCTTTTTTTTTTTTTTTTTTTTTTAAATCTATACATTTTCA
GGAATTTATGATTCTGGCTAAAAGTTGGACTTCTCAGTATTGTGTTTAGTTCTTTGAAA
ACATAAAAGCCTGCAATTTCTCGACAAAACAACACAAGATTTTTTAAAGATGGAATCAGA
AACTACGTGGTGTGGAGGCTGTTGATGTTTCTGGTGTCAAAGTTCTCAGAAGTTGCTGCCA
CCAACCTTTAAGAAGGGCAGAGGATCAGTCTTCTCTCGGGTTCTGGCCCCAAGGTCA
GAGCAAGCATCTTCTGACAGCATTTTGTATCTAAAGTCCAGTGACATGGTTCCCGTG
GTGGCCCGTGGCAGCCCGTGGCATGGCGTGGCTCAGCTGTCTGTTGAAGTTGTTGCAAGG
AAAAGAGGAAACATCTCGGGCCTAGTTCAAACCTTTGCCTCAAAGCCATCCCCACCAGA
CTGCTTAGCGTCTGAGATCCGCGTGAAAAGTCTCTGCCACGAGAGCAGGGAGTTGGGG
CCACGCAGAAATGGCCTCAAGGGGACTCTGCTCCACGTGGGGCCAGGCGTGTGACTGACG
CTGTCCGACGAAGGCGGCCACGGACGGACGCCAGCACACGAAGTCAC

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**Restriction Sites:**

Please inquire

**ACCN:**

NM\_013282

**Insert Size:**

3200 bp

**OTI Disclaimer:**

Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in E. coli are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA can be purchased from OriGene with batch-specific, full-sequence verification at a reduced cost. Please contact our customer care team at [custsupport@origene.com](mailto:custsupport@origene.com) or by calling 301.340.3188 option 3 for pricing and delivery.

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:**

The ORF of this clone has been fully sequenced and found to contain one SNP compared with NM\_013282.3.

<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>	<u>NM_013282.3, NP_037414.3</u>
<b>RefSeq Size:</b>	4086 bp
<b>RefSeq ORF:</b>	2421 bp
<b>Locus ID:</b>	29128
<b>UniProt ID:</b>	<u>Q96T88</u>
<b>Cytogenetics:</b>	19p13.3
<b>Domains:</b>	UBQ, RING, PHD, SRA
<b>Protein Families:</b>	Druggable Genome, Transcription Factors
<b>Gene Summary:</b>	<p>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]</p> <p>Transcript Variant: This variant (2) differs in the 5' UTR and initiates translation from an alternate start codon, compared to variant 1. The resulting isoform (2) has a distinct N-terminus and is longer than isoform 1. Sequence Note: This RefSeq record was created from transcript and genomic sequence data to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on transcript alignments.</p>