

Product datasheet for **RG214251**

UHRF1 (NM_013282) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	UHRF1 (NM_013282) 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)



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ORF Nucleotide Sequence:

>RG214251 representing NM_013282
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGGGGTTTTTGTGTCCCTCCCTCAGCTCCGACACCATGTGGATCCAGGTTCCGACCATGGATGGGA
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 GCTGTTCCACGTGGAGCCAGGCCTGCAGAGGCTGTTCTACAGGGCAAACAGATGGAGGACGGCCATAACC
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 GAAGGACCGGATCAAGAAGTGGGGTACCATGCAGTATCCAGAAGGCTACCTGGAAGCCCTGGCCAAC
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 CATCACGACCGTGTGCCAGCACAACGTGTGCAAGGACTGCCTGGACAGATCCTTTCCGGCACAGGTGTT
 AGCTGCCCTGCCGCTACGACTGGGCCGAGCTATGCCATGCAGGTGAACAGCCTCTGCAGACCG
 TCCTCAACCAGCTCTTCCCGGCTACGGCAATGGCCG

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence: >RG214251 representing NM_013282
 Red=Cloning site Green=Tags(s)

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MGVFVAPPLSSDTMWIQVRTMDGRQHTVDSLRLTKVEELRRKIQELFHVEPGLQRLFYRGKQMEDGHT
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DCRIIFVDEVFKIERPGE GSPMVDNPMRRKSGPSCKHCKDDVNRLCRVCACHLCGGRQDPDKQLMCDECD
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SCPACRYDLGRSYAMQVNQPLQTVLNQLFPGYGNGR
  
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TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

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: [NM_013282.3](#), [NP_037414.3](#)

RefSeq Size: 4086 bp

RefSeq ORF: 2421 bp

Locus ID: 29128

UniProt ID: [Q96T88](#)

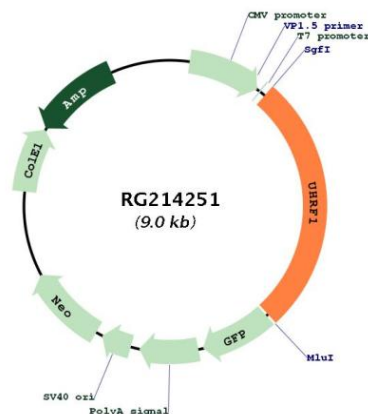
Cytogenetics: 19p13.3

Domains: UBQ, RING, PHD, SRA

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 RG214251