

Product datasheet for **RG209428**

UVRAG (NM_003369) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	UVRAG (NM_003369) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	UVRAG
Synonyms:	DHTX; p63; VPS38
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



[View online »](#)

ORF Nucleotide Sequence:

>RG209428 representing NM_003369
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTGCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGAGCGCCTCCGCGTCGGTCGGGGCCAGGTCCCCAGCCACCCCGGGCCCGCGCTGCTCTGCCTC
 CCGTTCTGCCGCGCGGCCCTGCATGTGGAGCTGCCGTCTCAGCAGCGCGCTTCGACATCTTCGGAA
 CATTGCTGCCCGAACATTGTTAATAGAAATGGCCATCAGCTCCTTGATACCTACTTTACTTCACTTCACTTG
 TGTAGTACTGAAAAGATATATAAAGAAATTTATAGAAGTGAAGTGATTAAGAATTCCTTGAATCCCACGT
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 TTGGGTGAGCAGATTATGCCGAAACAAAATGAAATAATTTTGGGCTGAATGATGGATACTATGGT
 CTCATTTGAACATAAGGGTTATCAAATGCTCAGAAGACTATTCTTCTGCAGGTGGATCAGAATCTGT
 TCGCAATTCCTACGATGTCTTCTTTGCTACGGCTTCATAGAGCCAGTGTGCAATTAACAGACTCAG
 GTAAGTGTTCAGAAAATGGAAAGGAAATGAAGAAAACTAAGACTCACATCTACAAGCAATGAACTGA
 AAAAAAAGTGAATGCCTGCAGTTAAAAATTTGGTGCTTCAGAATGAACTGGAACGGCAGAAAGAAAGC
 TTTGGGACGGGAGGTGGCATTACTGCATAAGCAACAAATTCATTACAAGACAAAGGAAGTGCATTTTCA
 GCTGAGCACCTCAAACCTCAACTCCAGAAGGAATCCCTAAATGAGCTGAGGAAGGAGTGCCTGCAAAAA
 GAGAATCTTCTGAAGACTAATGCTCAGTTGACAATTCGTTGCAGGCAGTACTCTCTGAGCTTTCCTA
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 TTCAGTACAAAACCCCTCCTCCAGTTACAACCTCAGCATTAGCCAGCCTGTGACCACCGTCCCCTCCAT
 GGGAGAGACCGAGAGAAAGATAACATCTCTATCCTCCTCCTTGGATACCTCCTTGGACTTCTCAAAGAA
 AACAAAGAAAAAGGAGAGATCTAGTTGGCAGCTTAAACGGAGGCCACGCGAATGTGCACCCTAGCCAAG
 AACAAAGGAGAAGCCCTCTCCGGGACCGGGCCACAGTCAATGGCACTCTCCTACCCAGCGAGCAGGCCGG
 GTCGCGCAGTGTCCAGCTTCCAGGCGAGTTCCACCCAGTCTCAGAAGCTGAGCTCTGCTGTACTGTGGAG
 CAAGCAGAAGAAATCATCGGGCTGGAAGCCACAGGTTTCGCTCAGGTGATCAGCTAGAAGCATTAACT
 GCATCCCAGTGGACAGTGTGTGGCAGTAGAGTGTGACGAACAAGTTCTGGGAGAATTTGAAGAGTTCTC
 CCGAAGGATCTATGCACTGAATGAAAACGTATCCAGCTTCCGCGGCCCGCAGGAGTTCGGATAAG

ACGCGTACGCGGCCGCTCGAG – GFP Tag – GTTTAA

Protein Sequence: >RG209428 representing NM_003369
Red=Cloning site Green=Tags(s)

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MSASASVGGQVPQPPGPAALPPGSAARALHVELPSQQRRRLRHLRNIAARNIVNRNGHQLLDTYFTLHL
CSTEKIYKEFYRSEVIKNSLNPTWRSLDFGIMPDRLDTSVSCFVVKIWWGGKNIYQLLIEWKVCVLDGLKY
LGQQIHARNQNEIIFGLNDGYYGAPFEHKGYSNAQKTILLQVDQNCVRNSYDVFSLRLHRAQCAIKQTQ
VTVQKIGKEIEEKLRLLTSTSNELKKKSECLQLKILVLQNELERQKKALGREVALLHKQQIALQDKGSAFS
AEHLKQLQKESLNELRKECTAKRELFLKTNLAQLTIRCRQLLSELSYIYPIDLNEHKDYFVCGVKLPNSE
DFQAKDDGSIIVALGYTAHLVSMISFFLQVPLRYPIIHKGRSTIKDNINDKLTEKEREFPYLPKGGKEL
QFDYGVYLLNKNIAQLRYQHGLGTPDLRQTLPNLKNFMEHGLMVRCDRHHTSSAIPVPKRQSSIFGGADV
GFSGGIPSPDKGHRKRASSENERLQYKTPPPSYNSALAQPVTTVPSMGETERKITSLSLSDTSLDFSKE
NKKKGGEDLVGSLNGGHANVHPSQEQGEALSGHRATVNGTLLPSEQAGSASVQLPGEFHPVSEALCCTVE
QAEEIIGLEATGFASGDQLEAFNCIPVDSAVAVECDEQVLGEFEEFSRRIYALNENVSSFRPRRSSDK
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TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_003369

ORF Size: 2097 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: [NM_003369.3](#), [NP_003360.2](#)

RefSeq Size: 5166 bp

RefSeq ORF: 2100 bp

Locus ID: 7405

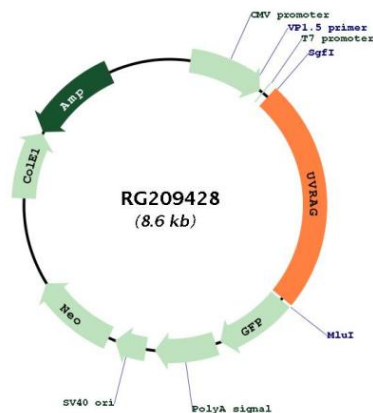
UniProt ID: [Q9P2Y5](#)

Cytogenetics: 11q13.5

Domains: C2

Gene Summary: This gene complements the ultraviolet sensitivity of xeroderma pigmentosum group C cells and encodes a protein with a C2 domain. The protein activates the Beclin1-PI(3)KC3 complex, promoting autophagy and suppressing the proliferation and tumorigenicity of human colon cancer cells. Chromosomal aberrations involving this gene are associated with left-right axis malformation and mutations in this gene have been associated with colon cancer. [provided by RefSeq, Jul 2008]

Product images:



Circular map for RG209428