

Product datasheet for **SC117982**

UVRAG (NM_003369) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	UVRAG (NM_003369) Human Untagged Clone
Tag:	Tag Free
Symbol:	UVRAG
Synonyms:	DHTX; p63; VPS38
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)



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Fully Sequenced ORF: >OriGene ORF within SC117982 sequence for NM_003369 edited (data generated by NextGen Sequencing)

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ATGAGCGCCTCCGCGTCGGTCGGGGGCCCCGTCCCCAGCCACCCCGGGCCCGCCGCT
GCTCTGCCTCCCGTTCTGCCGCGGGGCCCTGCATGTGGAGCTGCCGTCTCAGCAGCGG
CGTCTTCGACATCTTCGGAACATTGCTGCCCGGAACATTGTTAATAGAAATGGCCATCAG
CTCCTTGATACCTACTTTACACTTCACTTGTGTAGTACTGAAAAGATATATAAAGAATTT
TATAGAAGTGAAGTGATTAAGAATTCCTTGAATCCCACGTGGCGAAGTCTCGATTTTGGG
ATTATGCCAGACCGTCTTGATACATCTGTGTCTTGTTCGTGGTGAAGATATGGGGTGGG
AAGGAGAACATCTACCAGCTGTTGATTGAATGGAAGTCTGTTTGGATGGGCTGAAATAC
TTGGGTGACGAGATTCATGCCGAAACAAAATGAAATAATTTTTGGGCTGAATGATGGA
TACTATGGTGCTCCATTTGAACATAAGGGTTATTCAAATGCTCAGAAGACTATTCTTCTG
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GGACTAATGGTCAGGTGTGACAGACATCACACCTCCAGTGAATCCCTGTTCTAAGAGA
CAAAGCTCCATATTTGGGGTGCAGATGTAGGCTTCTCTGGGGGATCCCTTACCAGAC
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CCTAGCCAAGAACAAGGAGAAGCCCTCTCCGGGCACCGGCCACAGTCAATGGCACTCTC
CTACCCAGCGAGCAGGCCGGGTCCGCCAGTGTCCAGCTTCCAGGCGAGTTCCACCCAGTC
TCAGAAGCTGAGCTCTGTGTACTGTGGAGCAAGCAGAAGAAATCATCGGGCTGGAAGCC
ACAGGTTTCGCCTCAGGTGATCAGCTAGAAGCATTAACTGCATCCCAGTGGACAGTGCT
GTGGCAGTAGAGTGTGACGAACAAGTTCTGGGAGAATTTGAAGAGTTCTCCCGAAGGATC
TATGCACTGAATGAAAACGTATCCAGCTTCCGCCGGCCGCGCAGGAGTCCGATAAGTGA

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Clone variation with respect to NM_003369.3

5' Read Nucleotide Sequence:	<p>>OriGene 5' read for NM_003369 unedited ATACGACTCACTATAGGGCGGCCGCAATTCGGCACGAGGGTGCCCGCCCCGCCGTTGG CGGCCCTGGATCGAGATGAGCGCTCCGCGTCGGTGGGGGGCCCCGTCCCCAGCCACC CCCGGGCCCGCCGCTGCTCTGCCTCCCGGTTCTGCCGCGGGCCCTGCATGTGGAGCT GCCGTCTCAGCAGCGCGCTTTCGACATCTTCGGAACATTGCTGCCCGGAACATTGTAA TAGAAATGGCCATCAGCTCCTTGATACCTACTTTACACTTCACTTGTGTAGTACTGAAAA GATATATAAAGAATTTTATAGAAGTGAAGTGATTAAGAATTCCTTGAATCCCACGTGGCG AAGTCTCGATTTTGAATTATGCCAGACCGTCTTGATACATCTGTGTCTTGTTCGTGGT GAAGATATGGGGTGGAAAGGAGAACATCTACCAGCTGTTGATTGAATGGAAGTCTGTTT GGATGGGCTGAAATACTTGGGTCAGCAGATTCATGCCGAAACAAAATGAAATAATTTT TGGGCTGAATGATGGATACTATGGTGTCCATTTGAACATAGGGTTATTCANATGCTCAG AAGACTATTCTTTCAGGTTGGATCAGAAGTGTNGTCGCAATTCTTACGATGTCTTCTCT TTGCTACGGCTTCATAGAGCCAGTGTGCAATAAACAGACTCANNGTACTGNTCANAANA TNGNAAGGNAANNNTGAGANNACTAGACTCACATCTACCNAGCATGAACTGAAAAAAA AGTGAATGCTGCAGTAAAAATNTTGTGCTTCANAATGAACTGGACGCAANAAAAGCTTG GNACGGNAGTGGCATACTGCCATAGCACAATGCCTACAGACAAGGAGTGCATTTAGCTG ACACCTAACTCACTCAGAAGATCCCTATGG</p>
3' Read Nucleotide Sequence:	<p>>OriGene 3' read for NM_003369 unedited GCACGCAATCTAAAGTCGAGTTTTTTTTTTTTTTTTTTTTTTGAAGTAACTCAATTTTTA TTCTTCTATATAATACATGGATATATGGATAAATTTTCCTTTAAAGAGTTTGCAACCCTG AGGCAATGTCCTTGGGTACGTAACGTATAAAGCAACAGCAAATGAAATCTGAATGCGGGA ATGACAACCTGGACTTCGAAACATAATTTAATATTCATGAAATTGCACACATACCAATAGT ATTCTATGTCTCGTCTAGCCTCTTAATCCAATCTCAACTGCCTTGCAAGTTTGCCTAC CAGACACCCCAACTCTCTACATACATTCTGTCATGTAATGCTGACCTTCTGACTGAAAT TTAATAAATTAACATGGGATTTACATCAAGGGATTTTTGTCTGGTGGAGTGCATTGCCAGA AAGCATGCCTAGTTTCTGACCACAGCATCTGCCACATAAAAACCTTTGGCCCCACAGGG GATGAGATGGCATCTGACTGCAGTAACCTCGAGGTCCTGAAGGTCCTTGGGATCCACC AGGAGCAAAGTTTTTCATCTAATCTGAAGCCGCATTAAGGGTATGGCAAAAGAGGGGAAG GCCATGGCTGGTTATAAGAGATGGAACGTCACAGCTCCTGGGTTACAGAACCAGTGAATC TGATGTCTGTTTTACAGGACGCATGGCCATCCACGAAATATGGGGCGACAGTATGGTT ATAAGTGGACTGTGGTACCCGGGCCAGAAAGGGAAGTTAGCCTAATGTAAGAGACCCCTT TGCTGCTTCTTATTACCTAAAAGGCCAAACTTTAGTCTGGCGGAACTTTTTGATTTTCC TTTCAAATTTTTACCTGGGAGGCAAGCCTTAAAACAGGGGGGCACTAATATTTATAATA TCTCCCTGAGGAAAAAAGGGAATAACCCCAAGCT</p>
Restriction Sites:	NotI-NotI
ACCN:	NM_003369
Insert Size:	3370 bp
OTI Disclaimer:	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).
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_003369.2](#), [NP_003360.2](#)

RefSeq Size: 3515 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]