

Product datasheet for **SC321981**

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:	Neomycin
Vector:	pCMV6-AC (PS100020)
E. coli Selection:	Ampicillin (100 ug/mL)



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Fully Sequenced ORF: >OriGene sequence for SC321981
 GGCAGCGGCGCGGCTACTGTCTGGGCTGAGCAGTAGTGCCTCTCGGGTGGCGGGTTTCT
 AGGCTGCAGGGGCTTGGTAGGTGGTGGCAAGGGGGCGGCGGGATGCCGGAAGAGTGCC
 CGCCCCGCGCTTGGCGGCCCTGGATCGAGATGAGCGCCTCCGCGTCCGTCGGGGGCCA
 GGTCCCCAGCCACCCCGGGCCCGGCGCTGCTCTGCCTCCCGTTCTGCCGCGGGC
 CCTGCATGTGGAGCTGCCGTCTCAGCAGCGGCGTCTTCGACATCTCGGAACATTGCTGC
 CCGGAACATTGTTAATAGAAATGGCCATCAGCTCCTTGATACCTACTTTACACTTCACTT
 GTGTAGTACTGAAAAGATATATAAAGAATTTTATAGAAGTGAAGTGATTAGAATTCCTT
 GAATCCCACGTGGCGAAGTCTCGATTTTGAATTATGCCAGACCGTCTTGATACATCTGT
 GTCTTGTTCGTGGTGAAGATATGGGGTGGAAAGGAGAACATCTACCAGCTGTTGATTGA
 ATGGAAGTCTGTTTGGATGGGCTGAAATACTTGGGTGAGCAGATTATGCCCGAAACCA
 AAATGAAATAATTTTGGGCTGAATGATGGATACTATGGTGTCCATTTGAACATAAGGG
 TTATTCAAATGCTCAGAAGACTATTCTTCTGCAGGTGGATCAGAAGTGTTCGCAATTC
 TTACGATGTCTTCTTTGCTACGGCTTCATAGAGCCAGTGTGCAATTAACAGACTCA
 GGTAAGTGTTCAGAAAATTGAAAAGGAAATTGAAGAAAACTAAGACTCACATCTACAAG
 CAATGAAGTGAATAAAGTGAATGCCTGCAGTTAAAAATTTGGTGTTCAGAAATGA
 ACTGGAACGGCAGAAAGCTTTGGGACGGGAGGTGGCATTACTGCATAGCAACAAAT
 TGCATTACAAGACAAAGGAGTGCATTTTTCAGCTGAGCACCTCAAACCTCAAACAGAA
 GGAATCCCTAAATGAGCTGAGGAAGGAGTGCAGTCAAAAAGGAGAACTCTTCTTGAAGAC
 TAATGCTCAGTTGACAATTCGTTGCAGGCAGTACTCTCTGAGCTTCTACATTTACCC
 TATTGATTTGAATGAACATAAGGATTACTTTGTATGCGGTGTCAAGTGCCTAATTTCTGA
 GGACTTCAAGCAAAAGATGATGGAAGCATTGCTGTTGCCCTTGGTTATACTGCACATCT
 GTCTCCATGATTTCTTTTCTTACAAGTGCCTCAGATATCTATAATTCATAAGGG
 GTCTAGATCAACAATCAAGACAATATCAATGACAACTGACGAAAAGGAGAGAGATT
 TCCACTGTATCCAAAAGGAGGGGAGAAGTTCAGTTTGTATGTTGCTATCTTCTGAA
 CAAAAATATAGCACAGCTAAGATATCAACATGGACTAGGGACTCCAGACTTGCAGCAAC
 CCTTCCCAACCTGAAAACTTCAATGGAGCATGGACTAATGGTCAGGTGTGACAGACATCA
 CACCTCCAGTGCATCCCTGTTCTAAGAGACAAAGCTCCATATTTGGGGTGCAGATGT
 AGGCTTCTCTGGGGGATCCCTTACCAGACAAAGGACATCGAAAACGGGCCAGCTCTGA
 GAATGAGAGACTTCAGTACAAAACCCCTCCTCCAGTTACAACCTCAGCATTAGCCCAGCC
 TGTGACCACCGTCCCTCCATGGGAGAGACCGAGAGAAAGATAACATCTCTATCCTCCTC
 CTTGGATACCTCCTTGGACTTCTCAAAGAAAACAAGAAAAAGGAGAGGATCTAGTTGG
 CAGCTTAAACGGAGGCCACGCAATGTGCACCCTAGCCAAGAACAAGGAGAAGCCCTCTC
 CGGGCACCGGGCCACAGTCAATGGCACTCTCTACCCAGCGAGCAGGCCGGTCCGCCAG
 TGTCCAGCTTCCAGGCGAGTTCCACCCAGTCTCAGAAGCTGAGCTCTGCTGTACTGTGGA
 GCAAGCAGAAGAAATCATCGGGCTGGAAGCCACAGTTTTGCCTCAGGTGATCAGCTAGA
 AGCATTTAACTGCATCCCAGTGGACAGTGTGTGGCAGTAGAGTGTGACGAACAAGTTCT
 GGGAGAATTTGAAGAGTTCTCCCGAAGGATCTATGCACTGAATGAAAACGTATCCAGCTT
 CGCCCGCGCGCAGGAGTTCCGATAAGTGAAGTGAAGTGAAGTCAACAGTAGGACTGGGGC
 AGAAGCTCTGCCTAAAATGAAGTGAAGTGAAGTGAAGTGAAGTGAAGTGAAGTGAAGTGAAGT
 AAAATGAATATTAATGGAGGATATTCTCGAAAAACAGACTTTGGGAATGAAGGAGGGA
 CTCAGGATCATTGTTATCAGTGGGCCAAAGTTAGATTTTCTTTCAAGATTTGCTTTTTCG
 GGCCTGATGATTTAAAGCAAAAATCACCTCTAGTTGAAAGAGCTTACAGCTCGAGTCA
 CCTTTAGCTATTTGCTGCTTTTTATTTACCCTTGTATGTTATCCTCAGAGGGAAGATG
 ATAATATATAAATAATATAATGAACAAAAA

Restriction Sites: Please inquire

ACCN: NM_003369

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).
OTI Annotation:	This TrueClone is provided through our Custom Cloning Process that includes sub-cloning into OriGene's pCMV6 vector and full sequencing to provide a non-variant match to the expected reference without frameshifts, and is delivered as lyophilized plasmid DNA.
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_003369.3</u> , <u>NP_003360.2</u>
RefSeq Size:	5166 bp
RefSeq ORF:	2100 bp
Locus ID:	7405
UniProt ID:	<u>Q9P2Y5</u>
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]