

## Product datasheet for **RC209428L4V**

### UVRAG (NM\_003369) Human Tagged ORF Clone Lentiviral Particle

#### Product data:

|                           |  |
|---------------------------|--|
| Product Type:             | Lentiviral Particles   |
| Product Name:             | UVRAG (NM_003369) Human Tagged ORF Clone Lentiviral Particle   |
| Symbol:                   | UVRAG  |
| Synonyms:                 | DHTX; p63; VPS38   |
| Mammalian Cell Selection: | Puromycin  |
| Vector:                   | pLenti-C-mGFP-P2A-Puro (PS100093)  |
| Tag:                      | mGFP   |
| ACCN:                     | NM_003369  |
| ORF Size:                 | 2097 bp  |
| ORF Nucleotide Sequence:  | The ORF insert of this clone is exactly the same as(RC209428).   |
| 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. <a href="#">More info</a> |
| OTI Annotation:           | This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.   |
| RefSeq:                   | <a href="#">NM_003369.3</a>  |
| RefSeq Size:              | 5166 bp  |
| RefSeq ORF:               | 2100 bp  |
| Locus ID:                 | 7405   |
| UniProt ID:               | <a href="#">Q9P2Y5</a>   |
| Cytogenetics:             | 11q13.5  |
| Domains:                  | C2   |
| MW:                       | 78.2 kDa   |



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**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]