

## Product datasheet for **RC224294L4V**

### **UBE1C (UBA3) (NM\_198197) Human Tagged ORF Clone Lentiviral Particle**

#### **Product data:**

|                           |  |
|---------------------------|--|
| Product Type:             | Lentiviral Particles   |
| Product Name:             | UBE1C (UBA3) (NM_198197) Human Tagged ORF Clone Lentiviral Particle  |
| Symbol:                   | UBE1C  |
| Synonyms:                 | UBA3, hUba3, MGC22384, DKFZp566J164  |
| Mammalian Cell Selection: | Puromycin  |
| Vector:                   | pLenti-C-mGFP-P2A-Puro (PS100093)  |
| Tag:                      | mGFP   |
| ACCN:                     | NM_198197  |
| ORF Size:                 | 1089 bp  |
| ORF Nucleotide Sequence:  | The ORF insert of this clone is exactly the same as(RC224294).   |
| 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_198197.1</a> , <a href="#">NP_937840.1</a>  |
| RefSeq Size:              | 2015 bp  |
| RefSeq ORF:               | 1091 bp  |
| Locus ID:                 | 9039   |
| Cytogenetics:             | 3p14.1   |
| Protein Pathways:         | Ubiquitin mediated proteolysis   |
| MW:                       | 41.2 kDa   |



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**Gene Summary:**

The modification of proteins with ubiquitin is an important cellular mechanism for targeting abnormal or short-lived proteins for degradation. Ubiquitination involves at least three classes of enzymes: ubiquitin-activating enzymes, or E1s, ubiquitin-conjugating enzymes, or E2s, and ubiquitin-protein ligases, or E3s. This gene encodes a member of the E1 ubiquitin-activating enzyme family. The encoded enzyme associates with AppBp1, an amyloid beta precursor protein binding protein, to form a heterodimer, and then the enzyme complex activates NEDD8, a ubiquitin-like protein, which regulates cell division, signaling and embryogenesis. Multiple alternatively spliced transcript variants encoding distinct isoforms have been found for this gene. [provided by RefSeq, Jul 2008]