

## Product datasheet for **RC207283L4V**

### UBE2D2 (NM\_181838) Human Tagged ORF Clone Lentiviral Particle

#### Product data:

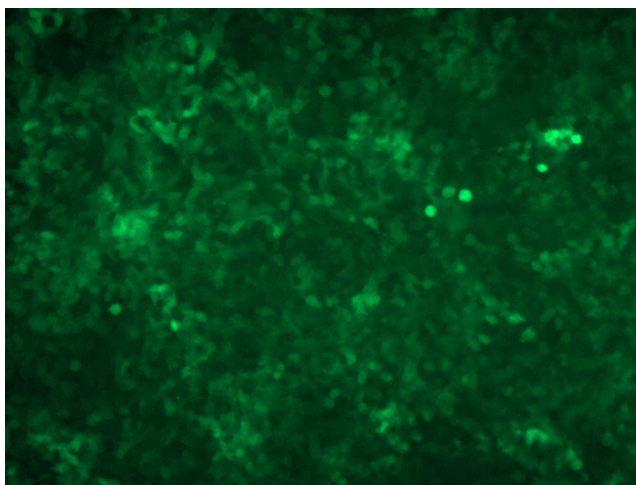
|                           |  |
|---------------------------|--|
| Product Type:             | Lentiviral Particles   |
| Product Name:             | UBE2D2 (NM_181838) Human Tagged ORF Clone Lentiviral Particle  |
| Symbol:                   | UBE2D2   |
| Synonyms:                 | E2(17)KB2; PUBC1; UBC4; UBC4/5; UBCH4; UBCH5B  |
| Mammalian Cell Selection: | Puromycin  |
| Vector:                   | pLenti-C-mGFP-P2A-Puro (PS100093)  |
| Tag:                      | mGFP   |
| ACCN:                     | NM_181838  |
| ORF Size:                 | 441 bp   |
| ORF Nucleotide Sequence:  | The ORF insert of this clone is exactly the same as(RC207283).   |
| 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_181838.1</a>  |
| RefSeq Size:              | 2879 bp  |
| RefSeq ORF:               | 357 bp   |
| Locus ID:                 | 7322   |
| UniProt ID:               | <a href="#">P62837</a>   |
| Cytogenetics:             | 5q31.2   |
| Protein Pathways:         | Ubiquitin mediated proteolysis   |
| MW:                       | 13.5 kDa   |



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**Gene Summary:**

Regulated degradation of misfolded, damaged or short-lived proteins in eukaryotes occurs via the ubiquitin (Ub)-proteasome system (UPS). An integral part of the UPS system is the ubiquitination of target proteins and covalent linkage of Ub-containing proteins to form polymeric chains, marking them as targets for 26S proteasome-mediated degradation. Ubiquitination of proteins is mediated by a cascade of enzymes which includes E1 (ubiquitin activating), E2 (ubiquitin conjugating), and E3 (ubiquitin ligases) enzymes. This gene encodes a member of the E2 enzyme family. Substrates of this enzyme include the tumor suppressor protein p53 and peroxisomal biogenesis factor 5 (PEX5). Alternative splicing results in multiple transcript variants of this gene. [provided by RefSeq, May 2013]

**Product images:**

[RC207283L4] was used to prepare Lentiviral particles using [TR30037] packaging kit. HEK293T cells were transduced with RC207283L4V particle to overexpress human UBE2D2-mGFP fusion protein.