

## Product datasheet for **RC225127L4V**

### HIP2 (UBE2K) (NM\_001111113) Human Tagged ORF Clone Lentiviral Particle

#### Product data:

|                           |  |
|---------------------------|--|
| Product Type:             | Lentiviral Particles   |
| Product Name:             | HIP2 (UBE2K) (NM_001111113) Human Tagged ORF Clone Lentiviral Particle   |
| Symbol:                   | HIP2   |
| Synonyms:                 | E2-25K; HIP2; HYPG; LIG; UBC1  |
| Mammalian Cell Selection: | Puromycin  |
| Vector:                   | pLenti-C-mGFP-P2A-Puro (PS100093)  |
| Tag:                      | mGFP   |
| ACCN:                     | NM_001111113   |
| ORF Size:                 | 447 bp   |
| ORF Nucleotide Sequence:  | The ORF insert of this clone is exactly the same as(RC225127).   |
| 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_001111113.1</a>   |
| RefSeq ORF:               | 450 bp   |
| Locus ID:                 | 3093   |
| UniProt ID:               | <a href="#">P61086</a>   |
| Cytogenetics:             | 4p14   |
| Protein Families:         | Druggable Genome, Transcription Factors  |
| Protein Pathways:         | Ubiquitin mediated proteolysis   |
| MW:                       | 16.4 kDa   |



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**Gene Summary:**

The protein encoded by this gene belongs to the ubiquitin-conjugating enzyme family. This protein interacts with RING finger proteins, and it can ubiquitinate huntingtin, the gene product for Huntington's disease. Known functions for this protein include a role in aggregate formation of expanded polyglutamine proteins and the suppression of apoptosis in polyglutamine diseases, a role in the dislocation of newly synthesized MHC class I heavy chains from the endoplasmic reticulum, and involvement in foam cell formation. Multiple transcript variants encoding different isoforms have been identified for this gene. [provided by RefSeq, Jul 2008]