

## Product datasheet for **RR211901L4V**

### **Fbxo7 (NM\_001012222) Rat Tagged ORF Clone Lentiviral Particle**

#### **Product data:**

|                           |  |
|---------------------------|--|
| Product Type:             | Lentiviral Particles   |
| Product Name:             | Fbxo7 (NM_001012222) Rat Tagged ORF Clone Lentiviral Particle  |
| Symbol:                   | Fbxo7  |
| Mammalian Cell Selection: | Puromycin  |
| Vector:                   | pLenti-C-mGFP-P2A-Puro (PS100093)  |
| Tag:                      | mGFP   |
| ACCN:                     | NM_001012222   |
| ORF Size:                 | 1566 bp  |
| ORF Nucleotide Sequence:  | The ORF insert of this clone is exactly the same as(RR211901).   |
| 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_001012222.1</a> , <a href="#">NP_001012222.1</a>  |
| RefSeq Size:              | 1819 bp  |
| RefSeq ORF:               | 1569 bp  |
| Locus ID:                 | 366854   |
| UniProt ID:               | <a href="#">Q68FS3</a>   |
| Cytogenetics:             | 7q13   |



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**Gene Summary:**

Substrate recognition component of a SCF (SKP1-CUL1-F-box protein) E3 ubiquitin-protein ligase complex which mediates the ubiquitination and subsequent proteasomal degradation of target proteins. Recognizes BIRC2 and DLGAP5. Plays a role downstream of PINK1 in the clearance of damaged mitochondria via selective autophagy (mitophagy) by targeting PRKN to dysfunctional depolarized mitochondria. Promotes MFN1 ubiquitination (By similarity). [UniProtKB/Swiss-Prot Function]