

## Product datasheet for **RR214960L4V**

### Fbxo11 (NM\_181631) Rat Tagged ORF Clone Lentiviral Particle

#### Product data:

Product Type:	Lentiviral Particles
Product Name:	Fbxo11 (NM_181631) Rat Tagged ORF Clone Lentiviral Particle
Symbol:	Fbxo11
Synonyms:	Vit1
Mammalian Cell Selection:	Puromycin
Vector:	pLenti-C-mGFP-P2A-Puro (PS100093)
Tag:	mGFP
ACCN:	NM_181631
ORF Size:	2529 bp
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(RR214960).
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_181631.2</a> , <a href="#">NP_853662.1</a>
RefSeq Size:	3726 bp
RefSeq ORF:	2532 bp
Locus ID:	301674
UniProt ID:	<a href="#">Q7TSL3</a>
Cytogenetics:	6q12



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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, such as DTL/CDT2, BCL6 and PRDM1/BLIMP1. The SCF(FBXO11) complex mediates ubiquitination and degradation of BCL6, thereby playing a role in the germinal center B-cells terminal differentiation toward memory B-cells and plasma cells. The SCF(FBXO11) complex also mediates ubiquitination and degradation of DTL, an important step for the regulation of TGF-beta signaling, cell migration and the timing of the cell-cycle progression and exit. Binds to and neddylates phosphorylated p53/TP53, inhibiting its transcriptional activity. SCF(FBXO11) does not seem to direct ubiquitination of p53/TP53LOG. [UniProtKB/Swiss-Prot Function]