

## Product datasheet for **RR206896L4V**

### **KIhl15 (NM\_001108021) Rat Tagged ORF Clone Lentiviral Particle**

#### **Product data:**

Product Type:	Lentiviral Particles
Product Name:	KIhl15 (NM_001108021) Rat Tagged ORF Clone Lentiviral Particle
Symbol:	KIhl15
Synonyms:	RGD1563101
Mammalian Cell Selection:	Puromycin
Vector:	pLenti-C-mGFP-P2A-Puro (PS100093)
Tag:	mGFP
ACCN:	NM_001108021
ORF Size:	1812 bp
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(RR206896).
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_001108021.1</a> , <a href="#">NP_001101491.1</a>
RefSeq Size:	1969 bp
RefSeq ORF:	1815 bp
Locus ID:	314111
UniProt ID:	<a href="#">D3ZA50</a>
Cytogenetics:	Xq22



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**Gene Summary:**

Substrate-specific adapter for CUL3 E3 ubiquitin-protein ligase complex. Acts as an adapter for CUL3 to target the serine/threonine-protein phosphatase 2A (PP2A) subunit PPP2R5B for ubiquitination and subsequent proteasomal degradation, thus promoting exchange with other regulatory subunits and regulating PP2A holoenzyme composition. Acts as an adapter for CUL3 to target the DNA-end resection factor RBBP8/CtIP for ubiquitination and subsequent proteasomal degradation. Through the regulation of RBBP8/CtIP protein turnover, plays a key role in DNA damage response, favoring DNA double-strand repair through error-prone non-homologous end joining (NHEJ) over error-free, RBBP8-mediated homologous recombination (HR).[UniProtKB/Swiss-Prot Function]