

## Product datasheet for **RC220543L4V**

### **FNIP1 (NM\_133372) Human Tagged ORF Clone Lentiviral Particle**

#### **Product data:**

Product Type:	Lentiviral Particles
Product Name:	FNIP1 (NM_133372) Human Tagged ORF Clone Lentiviral Particle
Symbol:	FNIP1
Mammalian Cell Selection:	Puromycin
Vector:	pLenti-C-mGFP-P2A-Puro (PS100093)
Tag:	mGFP
ACCN:	NM_133372
ORF Size:	3498 bp
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(RC220543).
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_133372.1</a> , <a href="#">NP_588613.2</a>
RefSeq Size:	6584 bp
RefSeq ORF:	3501 bp
Locus ID:	96459
UniProt ID:	<a href="#">Q8TF40</a>
Cytogenetics:	5q31.1
MW:	130.4 kDa


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**Gene Summary:**

This gene encodes a protein that binds to the tumor suppressor protein folliculin and to AMP-activated protein kinase (AMPK). The encoded protein participates in the regulation of cellular metabolism and nutrient sensing by modulating the AMPK and target of rapamycin signaling pathways. This gene has a closely related paralog that encodes a protein with similar binding activities. Both related proteins also associate with the molecular chaperone heat shock protein-90 (Hsp90) and negatively regulate its ATPase activity and facilitate its association with folliculin. [provided by RefSeq, Jul 2017]