

## Product datasheet for RC220543

### FNIP1 (NM\_133372) Human Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	FNIP1 (NM_133372) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	FNIP1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>RC220543 representing NM_133372 Red=Cloning site Blue=ORF Green=Tags(s)

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**Protein Sequence:**

>RC220543 representing NM\_133372  
 Red=Cloning site Green=Tags(s)

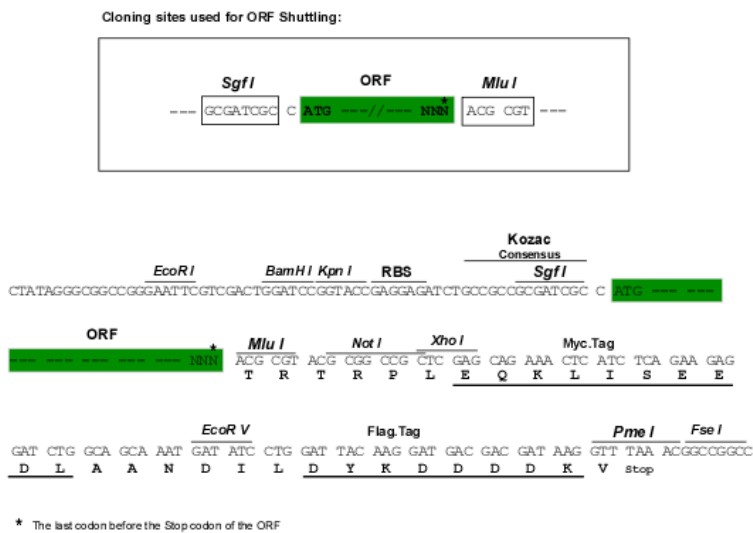
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Chromatograms: [https://cdn.origene.com/chromatograms/mk8041\\_h12.zip](https://cdn.origene.com/chromatograms/mk8041_h12.zip)

Restriction Sites: SgfI-MluI

Cloning Scheme:

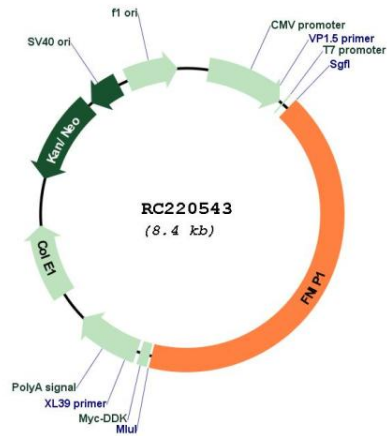


ACCN: NM\_133372

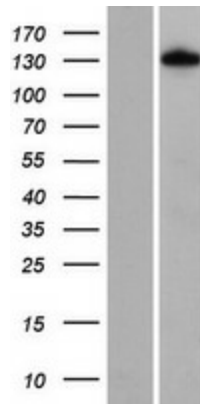
ORF Size: 3498 bp

<b>OTI Disclaimer:</b>	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>
<b>OTI Annotation:</b>	This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
<b>Components:</b>	The ORF clone is ion-exchange column purified and shipped in a 2D barcoded Matrix tube containing 10ug of transfection-ready, dried plasmid DNA (reconstitute with 100 ul of water).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"><li>1. Centrifuge at 5,000xg for 5min.</li><li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li><li>3. Close the tube and incubate for 10 minutes at room temperature.</li><li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li><li>5. Store the suspended plasmid at -20°C. The DNA is stable for at least one year from date of shipping when stored at -20°C.</li></ol>
<b>RefSeq:</b>	<a href="#">NM_133372.2</a> , <a href="#">NP_588613.2</a>
<b>RefSeq Size:</b>	6584 bp
<b>RefSeq ORF:</b>	3501 bp
<b>Locus ID:</b>	96459
<b>UniProt ID:</b>	<a href="#">Q8TF40</a>
<b>Cytogenetics:</b>	5q31.1
<b>MW:</b>	130.4 kDa
<b>Gene Summary:</b>	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]

**Product images:**



Circular map for RC220543



Western blot validation of overexpression lysate (Cat# [LY408835]) using anti-DDK antibody (Cat# [TA50011-100]). Left: Cell lysates from untransfected HEK293T cells; Right: Cell lysates from HEK293T cells transfected with RC220543 using transfection reagent MegaTran 2.0 (Cat# [TT210002]).