

Product datasheet for SC301360

FNIP1 (NM_001008738) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	FNIP1 (NM_001008738) Human Untagged Clone
Tag:	Tag Free
Symbol:	FNIP1
Vector:	<u>pCMV6 series</u>
Fully Sequenced ORF:	>NCBI ORF sequence for NM_001008738, the custom clone sequence may differ by one or more nucleotides

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ATGGCCCCCTACGCTGTTCCAGAAGCTCTTCAGCAAGAGGACCGGGCTGGGCGCGCCCGGC
CGCGACGCCCGGGACCCAGATTGCGGGTTCAGTTGGCCTTTACCAGAGTTTGATCCAAGC
CAGATTCGACTGATTGTATATCAAGACTGTGAAAGACGAGGGAGAAAATGTTTTGTTGAC
TCCAGTGTAAAGAGAAGAAATGAGGACATATCAGTATCGAAACTGTCAGTGTGCTCAA
GTTAAAGTCTTTGGGAAATGCTGCCAACTGAAACCTGGAGGAGACAGTTCTTCTCTTTA
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CGGTGCTCTTCTGATGCCAATATGCTTGGAGAGATGATGTTTGGCTCAGTAGCAATGAGC
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AAAGTGTTTACTGCTCGGACTGGCAGCAGTATTTGTGGGAGTCTCAATACGCTACAAGAT
AGTCTTGAATTCATCAATCAGGACAACAATACATTAAGGCTGATAATAACACAGTTATT
AATGGACTGCTTGGAAATATAGTTCACAGCAACCCAATGGACATGCCTGGAGAGAGCTC
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ACGATGCCACGAATTGGAGAACCTGTCTGGCTTACAATGATGTGCGGGACTCCAGAAAAG
AACCACCTTTGCTATCGTTTCATGAAGGAGTTCACCTTTCTAATGGAAAATGCTTCCAAA
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ATTACTACCACTTTAGAGAAAGGTGAAATAGAAGAATCAGAGTATGTCCTTGTACAATG
CATAGAAAACAAAAGCAGTTTGTCTTTAAAGAGTCAGAAGAAATTAGAATCCCAATTGT
AACTGAAATATTGCAGTCATCCACTCCTTGGGCAAAATGTAGAGAACATTTACAACAA
GAGAGAGAAGATATTCAAAACAGCTCTAAGGAGCTGCTAGGAATTCAGATGAGTGCCAG

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ATGATTTCTCCTTCTGACTGCCAAGAAGAAAATGCTGTTGATGTTAAACAGTACAGAGAT
 AAATTAAGAACTTGCTTTGACGCCAAGTTAGAGACAGTTGTTGCACAGGATCTGTTCCA
 GTAGACAAATGTGCATTGTGACAGTACAGGCTTAGAGTCAACAGAGGAAACATGGCAGAGT
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 ACTGAATGGGACATTCGAAGAAATGAAAGTTCAGACAGTCCCTTGGGGATAGTGAAGT
 GAAGATACAGGTCATGATGACTAGACAAGTTAGCAGTTATTATGGAGGAGAGCAAGAA
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 GTTCAGCCCAACATTGCCAATTCGGGAGGTCCTTGTGGGTGGCTACTGCTCATCTTAT
 GTGCCTGACTTTGTTCTTCAAGGAATTGGGAGTGATGAGAGGTTCCGTCAGTGTCTGATG
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 TGTATTATAGCTGACATGGATAAATGGACTGTTCAAGTGGCCAGTAGCCAGAGACGAGTG
 ACAGATAATAAATTGGGAAAGGAAGTATTGGTTCCAGTCTGTTCCAATCTGCTTCAT
 TCCACATTCAGCTTTATAAGCATAACTGTCTCAAATTTTTGTGTAATGCATCTTGAA
 GACCGGTTGCAGGAGCTATACTTCAAAAGTAAAAATGCTGTCTGAATACCTGAGGGGCGAG
 ATGCGTGTTCATGTCGAAGGAGCTGGGAGTGTTCTGGGGATTGAATCCAGTGATCTTCCA
 CTTCTGGCTGCTGTAGCAAGCACTCACTCTCCATATGTTGCACAAATACTCCTTTAA

- Restriction Sites:** Please inquire
- ACCN:** NM_001008738
- OTI Disclaimer:** Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).
- OTI Annotation:** This TrueClone is provided through our Custom Cloning Process that includes sub-cloning into OriGene's pCMV6 vector and full sequencing to provide a non-variant match to the expected reference without frameshifts, and is delivered as lyophilized plasmid DNA.
- Components:** 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).
- Reconstitution Method:**
1. Centrifuge at 5,000xg for 5min.
 2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.
 3. Close the tube and incubate for 10 minutes at room temperature.
 4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.
 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.
- RefSeq:** [NM_001008738.1](#), [NP_001008738.1](#)

RefSeq Size: 6500 bp

RefSeq ORF: 3417 bp

Locus ID: 96459

UniProt ID: [Q8TF40](#)

Cytogenetics: 5q31.1

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]

Transcript Variant: This variant (2) lacks an in-frame exon in the coding region, compared to variant 1, which results in a shorter protein (isoform 2), compared to isoform 1.