

Product datasheet for **SC114693**

RIPX (RUFY3) (NM_014961) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	RIPX (RUFY3) (NM_014961) Human Untagged Clone
Tag:	Tag Free
Symbol:	RIPX
Synonyms:	RIPX; SINGAR1; ZFYVE30
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)



[View online »](#)

Fully Sequenced ORF: >OriGene ORF within SC114693 sequence for NM_014961 edited (data generated by NextGen Sequencing)

```
ATGTCTGCTCTGACGCCTCCGACCGATATGCCAACCCCACTGACAAGATCACACAG
GCTGCCATGGAGACCATCTACCTTTGCAAATCCGAGTGTCCATGGATGGAGAATGGCTC
TGCCTGCGAGAGCTGGATGACATCTCACTTACCTGACCCAGAGCCTACCCATGAAGAT
CCTAATTATCTCATGGCTAATGAACGCATGAACCTCATGAACATGGCCAAGCTGAGTATC
AAGGGCTTGATTGAATCAGCTCTGAACCTGGGGAGGACTCTTGACTCTGACTATGCACCT
CTCCAGCAATTCTTTGGTGATGGAGCACTGTCTGAAACATGGCTTGAAAGCTAAAAAA
ACTTTTCTCGGACAAAATAAATCCTTCTGGGGCCTCTAGAACTGGTAGAAAAGCTTGTT
CCAGAAGCCGAGAGATAACAGCAAGTGTTAAAGATCTCCAGGACTTAAGACACCAGTA
GGTAGAGGAAGAGCCTGGCTTCGTTTGGCATTAAATGCAAAGAACTTTCAGAATATATG
AAAGCTTTGATCAATAAGAAAGAACTTCTCAGTGAATTCTACGAACCAATGCCCTCATG
ATGGAAGAAGAAGGAGCCATAATTGCTGGTCTGTTGGTGGTCTGAATGTCATTGATGCC
AATTTCTGTATGAAAGGAGAAGACTTGGACTCTCAGGTTGGAGTTATAGATTTTTCAATG
TATCTCAAGGACGGGAACAGCAGTAAAGGTAAGTGAAGGAGACGGTCAGATTACTGCAATT
CTGGACCAGAAGAACTATGTAGAAGAACTGAACAGACATTTGAATGCTACTGTAAACAAC
CTTCAGGCAAAAGTAGATGCATTAGAAAAATCCAACTAACTGACAGAGGAGCTTGCA
GTTGCAACAACAGGATCATTACCTTACAAGAAGAAATGGAACGAGTTAAAGAGGAAAGT
TCCTACATACTGGAATCCAATCGAAGGGTCCCAAGCAAGACAGAACTGCAGAAGGGCAA
GCACTAAGTGAAGCAAGAAAGCATTAAAGAAAGAGACACAATTACGATTGGATGTTGAG
AAAGAACTGGAGATGCAGATCAGCATGAGGCAGGAGATGGAATTGGCTATGAAGATGCTG
GAGAAGGATGTCTGTGAGAAGCAGGATGCCCTGGTATCTCTTCGCGCAGCAGCTGGATGAC
CTCAGAGCTCTCAAGCATGAACCTTGCTTTAAGCTGCAGAGTTTCACTAGGAGTAAAA
CAGAAAAGTGAACATAACAGTCGCTTGGAAGAGAAGACTAATCAGATGGCTGCTACCAT
AAACAACCTTGAACAAAAGTGAAGGATTTGGTGAAACAGGCAAGACCTTAAATAGTGCA
GCAATAAACTGATCCCAAAACATCATTAG
```

Clone variation with respect to NM_014961.3

5' Read Nucleotide Sequence:

>OriGene 5' read for NM_014961 unedited

```
TACGACTCACTATAGCGGCCCGCGATTGCGCACGAGGATTTCTGCAGCTCAGGATTTTT
TTTTAACTACATTGAAAATATAGGTTTATTTTTTGTTCAGGTTTTCTTTTATATTTTT
TTTCTGCACAAAGGAGGAGGATTTTCACTTACTCATATCGAGGCCAGATTTTAAAGCC
AGCTAAGGCAGCATCAGCTGTGCGGGATTTAAAGCCTATAGCTCAGCTGAAAAAAGGT
GGGGGGCAGGGAAGGGAAGATAAAAGGAGAGGAAGCTGGGAGAAGACAAGCATCATCTTA
TTTTGCTATGTGGTAGGAAGTGTCTATAAGATAGTGTAGAATTGTTTATCTTGAGCAGTT
TGTTCTTAACCTATAAGGTATTTTTCTTTTTTTTTTTTTTAAACCTCCCCACCCTTTT
CCTGAAAGCTTTGTTTCAGAGCTTTGTATTGGGTTTTTTTGGTGAGGAGGTTGTATTTAT
TTTTTGGTGTGTGTGTGTGAGTGTGTGTGTGTGTGTGTGTGGGGTCCCAGCTGA
GTCATCATGTCTGCTCTGACGCCTCCGACCGATATGCCAACCCCACTGACAAGATC
ACACAGGCTGCCATGGAGACCATCTACCTTTGCAAATCCGAGTGTCCATGGATGGAGAA
TGGCTCTGCCTGCGAGAGCTGGATGACATCTCACTTACACCTGACCAGAGCCTACCCAT
GAAGATCTATTATCTCATGGCTAATGACGCATGACCTATGACATGGCCAGCTGATATCA
GGGCTTGATTGATCANCTCTGAACCTGGGAGAGCTGACTTGACATGCACTCTCACATTC
TTGTGGGAGGAGCCTGTCTGAACATGCTGAAGCTAAAACTTTCTCGACAATAATCTTC
GGGCTCTAACTGTAAACTGTCCAAACAGATACAC
```

3' Read Nucleotide Sequence:	>OriGene 3' read for NM_014961 unedited <pre> GTACGCGCCGCAATCTAGTGTGCGAGTTTTTTTTTTTTTTTTTTGATTTTCCATTTTTT TATTCTAGTACTACAGTTTACAGCCATTAGATGATAACAATAAAACATCACTTTTGA AAATCCATATCCAAAGCCAACCTCAAGTACACAGTAATTTAAGTTAAATCCACTTTTAA AAAAATTCCTAATAGGTTTGGTACTTAATTTTCTGTTTACACACATAACTGGAACCT GTAAATGGGCAACTACCTTCTTATATGTGGAATTATAGTTTTTCTTGTCTTTCCCA AACCACATATATTAATCATGGGACATTATATCAACCCTCACCTAAGCTTTGGGTTAT TCTATAAGGAAAAGCCTTTGTCAGAGTTTGGCTGTCTCCTTCCCTTCCCATTTCCACAAA AGATGTGTGACTAAGTGGACAAAGAACTCAGCACTGGGCCTGTTAAGACTCTGACCATA TTCTCCAGAAGATTCTGATGGATGTTTTCTTCTACATATCTTATAACTTTGCACCTATAG AGAAGCATGTTTTATAAAGTAAAGCACTTGGGGCTTTATATAATAGAATTTAAACGCATG CTATGTGAAGTTTTAGAAAGTTCAATTTCCGTATTTGATCACTCCTTCCAAATGCTCGT AGATAAGGCAACCCATCACCACANAAGGTTGATGAAGAGAAGAATACAGTAGGAGCTTTG TTTATATAGGTGCAAATTATAAGATCTAAAATAGTTCAAGAGCACAGGATCTTCCCTTC ATGAAGTAGGTCTAAACATATGTCTTTGGACTAATTTTGGTTCAAGTCCAATCTGTGCAG GGGACTATATAAGCACACATGGAATCTATCTTACACTCTAATTCTGGNTTTGCCAAGAAA AAGATAAGAATCTAANAAGCTGGAACGAAGGGTTATCGGGTCCCCACAAAGCAGCTGAA TGCTGCNAGCCTCCCGATGGAAAAAGAGAAAAACCCAGTTTTTGTGAGCTTTTGAAGA AG </pre>
Restriction Sites:	NotI-NotI
ACCN:	NM_014961
Insert Size:	4720 bp
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).
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:	<u>NM_014961.2, NP_055776.1</u>
RefSeq Size:	4304 bp
RefSeq ORF:	1410 bp
Locus ID:	22902
UniProt ID:	<u>Q7L099</u>
Cytogenetics:	4q13.3

Domains: RUN

Gene Summary: This gene encodes a RPIP8, UNC-14, and NESCA domain-containing protein that is required for maintenance of neuronal polarity. In addition, it has been implicated in mediation of gastric cancer cell migration and invasion via interaction with P21-activated kinase-1, which promotes its expression. The encoded protein localizes to F-actin-enriched invadopodia to induce formation of protrusions, thereby facilitating cell migration. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Sep 2016]
Transcript Variant: This variant (2) has multiple differences in the 3' coding region and 3' UTR, compared to variant 1. It encodes isoform 2, which has a shorter and distinct C-terminus, compared to isoform 1.