

Product datasheet for **SC326001**

RIPX (RUFY3) (NM_001130709) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	RIPX (RUFY3) (NM_001130709) Human Untagged Clone
Tag:	Tag Free
Symbol:	RIPX
Synonyms:	RIPX; SINGAR1; ZFYVE30
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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Fully Sequenced ORF: >SC326001 representing NM_001130709.
 Blue=Insert sequence Red=Cloning site Green=Tag(s)

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GCTCGTTTAGTGAACCGTCAGAATTTTGTAAACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTG
GATCCGGTACCGAGGAGATCTGCCGCCACGATCGCC
ATGGCTGAGACCCCGCCGCCACCGCTGGTGCCGAAAGTTGCAGCGAGGAGCCGCGAGGGGCGGG
GAGTGGCGGCGGAGGAGCCGCGCGCTCCCGCGGGGACGAGCCGAGAGGGCGAGGCGGGCCG
CCGCCGGCTCCCCCGGGCAGTCGGAGCCGACTCGCCGGTGGCCGCCCTTCTTCTGCTGTAC
CCCGGCGATGGAGGCGCGGCTTCGGAGTGCGCCCGCCGCGCAGCAGCAGCGCTCTGGAGGACCCG
CCGTCCCCGGCTCACCGCTGCCCTTCTGCTGTGAGTACCGAGCGCGCGCGGCGCAGCAGCGG
AGCGGCAAGCACCATCCTAATTATCTCATGGCTAATGAACGCATGAACCTCATGAACATGGCAAGCTG
AGTATCAAGGGCTTGATTGAATCAGCTCTGAACCTGGGAGGACTCTTGACTCTGACTATGCACCTCTC
CAGCAATTTCTTGTGGTATGGAGCACTGTCTGAAACATGGCTTGAAAGCTAAAAAACTTTTCTCGGA
CAAAATAAATCCTTCTGGGGCCTCTAGAACTGGTAGAAAAGCTTGTCCAGAAGCCGAGAGATAACA
GCAAGTGTTAAAGATCTTCCAGGACTTAAGACACCAGTAGGTAGAGGAAGAGCCTGGCTTCGTTTGGCA
TTAATGCAAAAGAACTTTCAGAATATATGAAAGCTTTGATCAATAAGAAAGAACTTCTCAGTGAATTC
TACGAACCCAATGCCCTCATGATGGAAGAAGAAGGAGCCATAATTGCTGGTCTGTTGGTGGGTCTGAAT
GTCATTGATGCCAATTTCTGTATGAAAGGAGAAGACTTGGACTCTCAGGTTGGAGTTATAGATTTTCA
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GATGCATTAGAAAAATCCAACACTAACTGACAGAGGAGCTTGCAGTTGCAACAACAGGATCATTACC
TTACAAGAAGAAATGGAACGAGTTAAAGAGGAAAGTTCTACATACTGGAATCCAATCGAAGGGTCCC
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TTACGATTGGATGTTGAGAAAGAACTGGAGATGCAGATCAGCATGAGGCAGGAGATGGAATTGGCTATG
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CTCAGAGCTCTCAAGCATGAACCTGCCTTTAAGCTGCAGAGTTCAGACTTAGGAGTAAAACAGAAAAGT
GAACATAACAGTCGCTTGAAGAGAAGACTAATCAGATGGCTGCTACCATTAAACAACCTGAACAAAGG
TAA
ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGAT
TACAAGGATGACGACGATAAGGTTTAAACGGCCGGC
  
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Restriction Sites: SgfI-MluI

ACCN: NM_001130709

Insert Size: 1521 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).

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:	<u>NM_001130709.1</u>
RefSeq Size:	1822 bp
RefSeq ORF:	1521 bp
Locus ID:	22902
UniProt ID:	<u>Q7L099</u>
Cytogenetics:	4q13.3
MW:	55.9 kDa
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 (3) has multiple differences in the 5' and 3' coding regions and the 5' and 3' UTRs, compared to variant 1. The encoded protein (isoform 3) has a distinct N-terminus and a shorter C-terminus, compared to isoform 1.