

## Product datasheet for **SC206969**

### RUFY1 (NM\_001040451) Human 3' UTR Clone

#### Product data:

**Product Type:** 3' UTR Clones  
**Product Name:** RUFY1 (NM\_001040451) Human 3' UTR Clone  
**Vector:** pMirTarget (PS100062)  
**Symbol:** RUFY1  
**Synonyms:** RABIP4; ZFYVE12  
**ACCN:** NM\_001040451  
**Insert Size:** 523 bp  
**Insert Sequence:** >SC206969 3'UTR clone of NM\_001040451  
 The sequence shown below is from the reference sequence of NM\_001040451. The complete sequence of this clone may contain minor differences, such as SNPs.  
 Blue=Stop Codon Red=Cloning site

```
GGCAAGTTGGACGCCCGCAAGATCCGCGAGATTCTCATTAAAGCCAAGAAGGGCGGAAAGATCGCCGTG
TAACAATTGGCAGAGCTCAGAATTCAAGCGATCGCC
CTGCAGCGCTGCTCCTCCACGGCCTCTGACGTCCGTCCTCAGGAGCACAGCCTCACGGACAGTGCCA
AACCTGTGGGTCTCCAGGGCTTGGAAATGTGTTCTTTCCCAAGAGTATCAAAGGAAAGAATCAAAT
TTCTTGCCCGGTCACTGGCACTCCAGAAGACAGCGTGCCGGAACCGGCAGCTCTCACCTTTCTGTGACT
TGTTCCGGAATTAACCTCTGGATGAAACTTCCATCTTACTTGGTTACATCACGGCTCTGGTTCAGAT
ACAACCTCATGATTTTGCTACTATCATTTTTCACTTTTCAAAGAATTTAACCTATTTTACAGCAGTTCA
GTTCTGCTAGTAGTAGTTTTCTCTCCTACCTTCTTCTAAAAACCTGATTCATGCACAGCGTTTGAC
ACACATGGAGTCTGCCAGTGTGCCTTCTGCTTCAGACAAGAGATCTGCCATTTTCATGCCCTTGTGAC
TACCTATCATTGGCCCTGCAATAAAATCATTTATTTTCA
ACGCGTAAGCGGCCGCGCATCTAGATTGAAGAAAATGACCGACCAAGCGACGCCCAACCTGCCATCA
CGAGATTCGATTCCACCGCCCTTCTATGAAAGG
```

**Restriction Sites:** Sgfl-MluI

**OTI Disclaimer:** Our molecular clone sequence data has been matched to the sequence identifier above as a point of reference. Note that the complete sequence of this clone is largely the same as the reference sequence but may contain minor differences , e.g., single nucleotide polymorphisms (SNPs).

**Components:** The cDNA clone is shipped in a 2-D bar-coded Matrix tube as 10 ug dried plasmid DNA. The package also includes 100 pmols of both the corresponding 5' and 3' vector primers in separate vials.

**RefSeq:** [NM\\_001040451.3](#)



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**Summary:** This gene encodes a protein that contains a RUN domain and a FYVE-type zinc finger domain. The encoded protein binds to phosphatidylinositol-3-phosphate (PI3P) and plays a role in early endosomal trafficking, tethering and fusion through interactions with small GTPases including Rab4, Rab5 and Rab14. Alternatively spliced transcript variants encoding multiple isoforms have been observed for this gene. [provided by RefSeq, Dec 2011]

**Locus ID:** 80230

**MW:** 19.3