

## Product datasheet for SC311265

### RUFY2 (NM\_001042417) Human Untagged Clone

#### Product data:

|                           |                                                                                            |
|---------------------------|--------------------------------------------------------------------------------------------|
| Product Type:             | Expression Plasmids                                                                        |
| Product Name:             | RUFY2 (NM_001042417) Human Untagged Clone                                                  |
| Tag:                      | Tag Free                                                                                   |
| Symbol:                   | RUFY2                                                                                      |
| Synonyms:                 | RABIP4R; ZFYVE13                                                                           |
| Mammalian Cell Selection: | Neomycin                                                                                   |
| Vector:                   | pCMV6-Entry (PS100001)                                                                     |
| E. coli Selection:        | Kanamycin (25 ug/mL)                                                                       |
| Fully Sequenced ORF:      | >SC311265 representing NM_001042417.<br>Blue=Insert sequence Red=Cloning site Green=Tag(s) |

GCTCGTTTGTAGTAACCGTCAGAATTTTGTAAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTG  
 GATCCGGTACCGAGGAGATCTGCCGCC**CGATCGCC**  
 ATGGCTACAAAAGACCCACAGCTGTAGAGAGAGCAAACCTGTTAAACATGGCTAAACTGAGTATCAAA  
 GGACTCATTGAATCTGCTCTGAGCTTTGGCCGCACTTTGGATTCTGACTATCCCCCTTGCAGCAATTC  
 TTTGTTGTTATGGAACATTGCCTGAAACACGGTCTTAAAGTAAGAAAATCATTTTGGAGTTACAACAAA  
 ACCATCTGGGGCCCTTTGGAAGTGGTGGAGAAGCTGTACCCCGAAGCAGAGGAAATAGGAGCTAGTGTC  
 CGGGATCTACCTGGTCTGAATGAGTTTTATGAGTATCACGCACTAATGATGGAAGAAGAAGGAGCAGTA  
 ATTGTTGGGCTGCTGGTTGGCCTGAATGTGATCGATGCTAATCTGTGTGTGAAGGGAGAGGATTTAGAC  
 TCACAAGTTGGAGTGATTGATTTTTCTATGTATTTAAAGAATGAAGAAGATATTGGAAATAAAGAAAGG  
 AATGTTCAAATTGCTGCCATATTAGACCAAAAGAATTATGTTGAAGAATTAATAGACAACCTGAACAGC  
 ACAGTCAGCAGCCTCCATTCAAGAGTTGATTCTATTAGAAAAGTCAAACTAAGCTGATTGAAGAGTTA  
 GCAATAGCAAAGAATAACATCATTAACTCCAGGAAGAAAATCATCAATTACGAAGTGAAATAAATTG  
 ATTTTAATGAAAACACAGCAGCACCTAGAGGTTACCAAAGTAGATGTGGAAGTGAAGCTTCAAACATAT  
 AAGCATTCTCGTCAGGGGCTAGATGAAATGTACAATGAAGCCAGAAGGCAGCTTCGAGATGAATCTCAG  
 TTACGACAGGATGTAGAGAATGAGCTAGCAGTACAAGTTAGTATGAAGCATGAGATTGAAGTTGCCATG  
 AAGTTGCTGGAGAAAGATATCCATGAGAAACAAGATACTCTGATAGGCCCTCGACAACAAGTAGAGGAA  
 GTTAAAGCAATTAACATAGAGATGTATCAAAAGTTGCAGGGTTCTGAAGATGGCTTGAAAGAAAAAAT  
 GAAATAATTGCCCGACTAGAAGAAAAAACAATAAAATTAAGTGCAGCCATGAGGCAGCTGGAACAAAGT  
 GACAACGATTTGTAACTCAAAGTAGGACAATTGCAATGTCATTGGTGAATGTGCCAGCAGTGACACG  
 CAGGACCAAGTACAAGCTGGTTAAAGATATATCTTT**CTGA**  
**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGAT  
 TACAAGGATGACGACGATAAGGTTTAAACGGCCGCGC

Restriction Sites: SgfI-MluI


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|------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| ACCN:                  | NM_001042417                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| Insert Size:           | 1212 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: | <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> |
| RefSeq:                | <u>NM_001042417.1</u>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| RefSeq Size:           | 2696 bp                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| RefSeq ORF:            | 1212 bp                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| Locus ID:              | 55680                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| UniProt ID:            | <u>Q8WXA3</u>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| Cytogenetics:          | 10q21.3                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| MW:                    | 46.1 kDa                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |