

## Product datasheet for **SC336810**

### **BIN2 (NM\_001290008) Human Untagged Clone**

#### **Product data:**

|                           |  |
|---------------------------|--|
| Product Type:             | Expression Plasmids                      |
| Product Name:             | BIN2 (NM_001290008) Human Untagged Clone |
| Tag:                      | Tag Free                                 |
| Symbol:                   | BIN2                                     |
| Synonyms:                 | BRAP-1                                   |
| Mammalian Cell Selection: | Neomycin                                 |
| Vector:                   | pCMV6-Entry (PS100001)                   |
| E. coli Selection:        | Kanamycin (25 ug/mL)                     |



[View online »](#)

**Fully Sequenced ORF:** >SC336810 representing NM\_001290008.  
 Blue=Insert sequence Red=Cloning site Green=Tag(s)

```

GCTCGTTTAGTGAACCGTCAGAATTTTGTAAACGACTCACTATAGGGCGGCCGGGAATTCGTGACTG
GATCCGGTACCGAGGAGATCTGCCGCCCGCATCGCC
ATGCGAGGCATGCCGGGAGCCCGCACTTCCTCCTCGGGGGCCTCAGAAAACACAGGGCGCGGGGCCAG
GGCGCGGCCCCAGGGAGTTGGCAGGATGGCAGAGGGCAAGGCAGGCGGCGCGCCCGCCTCTTCGCC
AAGCAGGTGCAGAAGAAGTTTAGCAGGGCCAGGAGAAGGTGCTGCAGAAATTGGGGAAAGCTGTAGAA
ACCAAAGATGAACGATTTGAACAAAGCGCTAGCAACTTCTACCAACAACAGGCAGAAAGGCCACAAGCTG
TACAAGGACCTGAAGAACTTCCTTAGTGACGTCAAAGTATGCATGAAAGTTCAAAAAGAGTGCAGAA
ACCCTGCAGGAGATCTACAGCAGCGAGTGGGACGGTCAAGGAGCTGAAGGCCATCGTATGGGAGAGA
ATTGCCAAGCGGGTTCGGAACTCGTGGACTATGACAGTCCCGACACCACCTGGAGGCAGTGCAGAA
GCCAAGAAGAAAGATGAGGCCAAGACTGCCAAGGCAGAGGAAGAGTTCAACAAAGCCAGACTGTGTTT
GAAGATCTGAACCAAGAACTACTAGAGGAGCTGCCTATTCTTTATAATAGTCGTATTGGCTGCTATGTG
ACCATCTTCCAAAACATTTCCAACCTGAGGGATGTCTTCTACAGGGAAATGAGCAAGCTGAACCACAAT
CTCTACGAGGTGATGAGCAAACTGGAGAAGCAACATTCCAATAAAGTCTTTGTGGTGAAGGGACTGTCA
AGCAGCAGCAGGCGCTCTTTAGTCATTTCTCCCCAGTTCGAACAGCTACAGTCTCCAGTCTCTTACC
TCACCTACTAGTCCCTCTACACTTTCCTTGAAGAGTGAGAGTGAATCTGTCTCAGCAACTGAAGATCTG
GCACCTGATGCAGCCCAAGGGGAAGACAATTCTGAGATCAAGGAGCTCTTAGAAGAGGAGGAAATAGAG
AAGGAAGGATCTGAAGCAAGCTCCTCTGAGGAAGATGAGCCTCTACCAGCCTGCAATGGCCCCGCCAG
GCCAGCCCTCTCTACCACTGAAAGGGCCAAGTCCCAGGAGGAAGTTCTCCCCAGCTCCACAACCCA
TCACCAGGCGGAGCCCTGAGCCCTTCAGGGCAGCCTTCATCATCTGCCACAGAAGTAGTCTCCGAACC
CGCACCGCAAGTGAAGGATCTGAACAACCAAGAAGAGAGCCTCTATCCAGAGGACCTCAGCACCCCT
AGTAGGCCTCCTCACCCAGAGCCACTGCAAGCCCAAGGCCCTCCTCAGGGAACATACCTTCCAGCCCT
ACAGCCTCTGGAGGGGTTACCCACCAGCCCTAGGGCCTCCTTGGGACTGGGACTGCAAGTCTAGG
ACCTCCCTAGAGGTCTCTCCTAATCCAGAACCACCAGAGAAGCCAGTAAGAAGTCTGAGGCCAAAGAA
AATGAAAACATCCACAATCAGAACCCTGAAGAAGTGTACTTCCCCACCTTAATGACATCTCAGGTT
GCTTCAGAGCCTGGAGAGGCAAGAAGATGGAAGACAAGGAAAAGGATAATAAGCTTATCTCAGCTAAC
TCCTCGGAGGGCAAGACCAGCTTCAAGTCTCCATGGTACCAGAAAACAACAACCTCACAGCACCTGAA
CCTCAAGAAGAGGTATCCACAAGTGAAAATCCACAACCTGA
ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGAT
TACAAGGATGACGACGATAAGGTTAAACGGCCGGC
  
```

**Restriction Sites:** SgfI-MluI

**ACCN:** NM\_001290008

**Insert Size:** 1698 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:** [NM\\_001290008.1](#)

**RefSeq Size:** 2168 bp

**RefSeq ORF:** 1698 bp

**Locus ID:** 51411

**UniProt ID:** [Q9UBW5](#)

**Cytogenetics:** 12q13.13

**MW:** 61.2 kDa

**Gene Summary:** Promotes cell motility and migration, probably via its interaction with the cell membrane and with podosome proteins that mediate interaction with the cytoskeleton. Modulates membrane curvature and mediates membrane tubulation. Plays a role in podosome formation. Inhibits phagocytosis.[UniProtKB/Swiss-Prot Function]  
Transcript Variant: This variant (3) lacks an alternate in-frame exon in the 5' coding region, compared to variant 1. The encoded protein (isoform 3) is shorter, compared to isoform 1.