

## Product datasheet for **SC114340**

### **BIN2 (NM\_016293) Human Untagged Clone**

#### **Product data:**

|                    |                                       |
|--------------------|---------------------------------------|
| Product Type:      | Expression Plasmids                   |
| Product Name:      | BIN2 (NM_016293) Human Untagged Clone |
| Tag:               | Tag Free                              |
| Symbol:            | BIN2                                  |
| Synonyms:          | BRAP-1                                |
| Vector:            | <u>pCMV6-XL4</u>                      |
| E. coli Selection: | Ampicillin (100 ug/mL)                |
| Cell Selection:    | None                                  |



[View online »](#)

**Fully Sequenced ORF:** >NCBI ORF sequence for NM\_016293, the custom clone sequence may differ by one or more nucleotides

```

ATGGCAGAGGGCAAGGCAGGCGGGCCGGCCCTCTTCGCCAAGCAGGTGCAGAAGAAGTTTAGCAGGG
CCCAGGAGAAGGTGCTGCAGAAATGGGGAAAGCTGTAGAAACCAAGATGAACGATTTGAACAAGCGC
TAGCAACTTCTACCAACAACAGGCAGAAGGCCACAAGCTGTACAAGGACCTGAAGAACTTCTTAGTGCA
GTCAAAGTGATGCATGAAAGTTCAAAAAGAGTGTAGAAACCCTGCAGGAGATCTACAGCAGCGAGTGGG
ACGGTCATGAGGAGCTGAAGGCCATCGTATGGAATAATGATCTCCTTTGGGAAGACTACGAGGAGAACT
GGCTGACCAGGCTGTAAGGACCATGAAATCTATGTTGCCAGTTCAGTAAAATTAAGGAGAGAATTGCC
AAGCGGGGTGGAAACTCGTGGACTATGACAGTGCACGACACCCTGGAGGCAGTGCAGAAATGCCAAGA
AGAAAGATGAGGCCAAGACTGCCAAGGCAGAGGAAGATTCAACAAGGCCAGACTGTGTTTGAAGATCT
GAACCAAGAACTACTAGAGGAGCTGCCTATTCTTTATAATAGTCGATTGGCTGCTATGTGACCATCTC
CAAAACATTTCCAACCTGAGGGATGTCTTCTACAGGGAATGAGCAAGCTGAACCACAATCTCTACGAGG
TGATGAGCAAACCTGGAGAAGCAACATTCATAAAGTCTTTGTGGTGAAGGGACTGTCAAGCAGCAGCAG
GGCTCTTTAGTCATTTCTCCCCAGTTGCAACAGCTACAGTCTCCAGTCTCTTACCTACCTACTAGT
CCCTCTACACTTTCTTGAAGAGTGAGAGTGAATCTGTCTCAGCAACTGAAGATCTGGCACCTGATGCAG
CCCAAGGGGAAGACAATTCTGAGATCAAGGAGCTCTTAGAAGAGGAGGAAATAGAGAAGGAAGGATCTGA
AGCAAGCTCCTCTGAGGAAGATGAGCCTCTACCAGCCTGCAATGGCCCGCCAGGCCAGCCCTCTCTCT
ACCACTGAAAGGGCAAGTCCCAGGAGGAAGTTCTCCCGAGTCCACAACCTCCATCACCAGGCGGAGCCC
TGAGCCCTTCAGGCGAGCCTTATCATCTGCCACAGAAGTAGTCTCCGAACCCGACCCGAAGTGAAGG
ATCTGAACAACCAAGAAGAGAGCCTCTATCCAGAGGACCTCAGCACCCCTAGTAGGCCCTCTCCACCC
AGAGCCACTGCAAGCCCAGGCCCTCTCAGGGAACATACCTTCCAGCCCTACAGCCTCTGGAGGGGGTT
CACCCACAGCCCTAGGGCTCTCTGGGACTGGGACTGCAAGTCTAGGACCTCCCTAGAGGCTCTCTCC
TAATCCAGAACCACAGAGAAGCCAGTAAGAATCCTGAGGCCAAGAAAATGAAAAATCCACAATCAG
AACCCTGAAGAACTTTGTACTTCCCCACCTTAATGACATCTCAGGTTGCTTCAGAGCCTGGAGAGGCAA
AGAAGATGGAAGACAAGGAAAAGGATAAAGCTTATCTCAGCTAACTCCTCGGAGGGCCAAGACCAGCT
TCAAGTCTCCATGGTACCAGAAAACAACCTCACAGCACCTGAACCTCAAGAAGAGGTATCCACAAGT
GAAAATCCACAACCTCTGA
    
```

**5' Read Nucleotide Sequence:** >OriGene 5' read for NM\_016293 unedited

```

CATTTTGTAAATACGATTTACTTATAGGGCGGCCGCGATTTCGGCACGAGGGCGGCCCCAG
GAGTTGGCAGGATGGCAGAGGGCAAGGCAGGCGGCGGGCCGGCCTCTTCGCCAAGCAGG
TGAGAAGAAGTTTAGCAGGGCCAGGAGAAGGTGCTGCAGAAATGGGGAAAGCTGTAG
AAACCAAGATGAACGATTTGAACAAAGCGCTTCAACTTCTACCAACAACAGGCAGAAG
GCCACAAGCTGTACAAGGACCTGAAGAACTTCTTAGTGCAAGTCAAAAGTATGATGAAA
GTTCAAAAAGAGTGTAGAAACCCTGCAGGAGATCTACAGCAGCGAGTGGGACGGTCATG
AGGAGCTGAAGGCCATCGTATGGAATAATGATCTCCTTTGGGAAGACTACGAGGAGAAA
TGGCTGACCAGGCTGTAAGGACCATGAAATCTATGTTGCCAGTTCAGTAAAATTAAGG
AGAGAATTGCCAAGCGGGTTCGAAACTCGTGGACTATGACAGTGCCCGACACCCTGG
AGGCAGTGCAAGATGCCAAGAAGAAAGATGAGGCCAAGACTGCCAAGGCAGGGAAGAGT
TCAACAAGCCCAGACTGTGTTTGAAGATCTGAACCAAGAATACTAGAGGAGCTGCCTA
TTCTTTATAATAGTCGATTGGCTGCTATGTGACCCTCTTCCAAAACATTTNCAACTTGA
GGGATGTCTTCTACAGGGAATGAGCAAGCTGTACCCACATTCTCTACGAGGTGATGAGC
CAACTGGAGGAAGCACATTCCAATAAAGTCTTCGTGGTGAAGGGACTGTTACGACCAGC
AGGCGCTCTTTATCATTTCTCCNAGTTTGAAGATACAGGCTCCAGACCTTTACCTC
ACCTACTATNCTCTTAACCTTCTGTAGAGAGAGATTGAATTGGCTCACCAACTGNAAA
TTTTGCCCGGTGCACCAAGGGAAGAACTATTTGATTACAGAGCTCTATA
    
```

**Restriction Sites:** ECoRI-NOT

**ACCN:** NM\_016293

|                               |   |
|-------------------------------|---|
| <b>Insert Size:</b>           | 2250 bp   |
| <b>OTI Disclaimer:</b>        | 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).  |
| <b>Components:</b>            | 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).  |
| <b>Reconstitution Method:</b> | <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> |
| <b>RefSeq:</b>                | <u><a href="#">NM_016293.2</a></u> , <u><a href="#">NP_057377.2</a></u>   |
| <b>RefSeq Size:</b>           | 2228 bp   |
| <b>RefSeq ORF:</b>            | 1698 bp   |
| <b>Locus ID:</b>              | 51411   |
| <b>UniProt ID:</b>            | <u><a href="#">Q9UBW5</a></u>   |
| <b>Cytogenetics:</b>          | 12q13.13  |
| <b>Domains:</b>               | BAR   |
| <b>Gene Summary:</b>          | <p>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]</p> <p>Transcript Variant: This variant (1) represents the longest transcript and encodes the longest isoform (1).</p>   |