

## Product datasheet for **SC336143**

### **BIN2 (NM\_001290009) Human Untagged Clone**

#### Product data:

Product Type:	Expression Plasmids
Product Name:	BIN2 (NM_001290009) 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)
Fully Sequenced ORF:	>SC336143 representing NM_001290009. Blue=Insert sequence Red=Cloning site Green=Tag(s)

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GCTCGTTTGTAGTGAACCGTCAGAATTTTGTAAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTG
GATCCGGTACCGAGGAGATCTGCCGCCGCGATCGCC
ATGGAATCTATGTTGCCAGTTTCAGTGAATTAAGGAGAGAATTGCCAAGCGGGTTCGAAACTCGTG
GACTATGACAGTGCCCGACACCCTGGAGGCAGTGCAGAATGCCAAGAAGAAAGATGAGGCCAAGACT
GCCAAGGCAGAGGAAGAGTTCAACAAAGCCAGACTGTGTTTGAAGATCTGAACCAAGAACTACTAGAG
GAGCTGCCTATTCTTTAATAGTCGATTGGCTGCTATGTGACCATCTCCAAAACATTTCCAACCTTG
AGGGATGCTTTACAGGAAATGAGCAAGCTGAACCACAATCTCTACGAGGTGATGAGCAAACCTGGAG
AAGCAACATTTCAATAAAGTCTTTGTGGTGAAGGGACTGTCAAGCAGCAGCAGGGCGCTCTTAGTCATT
TCTCCCCAGTTCGAACAGCTACAGTCTCCAGTCTCTTACCTCACCTACTAGTCCCTCTACACTTCC
TTGAAGAGTGAGAGTGAATCTGTCTCAGCAACTGAAGATCTGGCACCTGATGCAGCCCAAGGGGAAGAC
AATTCTGAGATCAAGGAGCTCTTAGAAGAGGAGGAAATAGAGAAGGAAGGATCTGAAGCAAGCTCCTCT
GAGGAAGATGAGCCTCTACCAGCCTGCAATGGCCCCGCCAGGCCAGCCCTCTCTACCCTGAAAGG
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GCAAGTCCCAGGCCCTCCTCAGGAACATACCTTCCAGCCCTACAGCCTCTGGAGGGGTTCAACCCACC
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GAACCACCAGAGAAGCCAGTAAGAACTCCTGAGGCCAAAGAAAATGAAAACATCCACAATCAGAACCCT
GAAGAACCTTGTACTTCCCCACCTTAATGACATCTCAGGTTGCTTCAGAGCCTGGAGAGGCAAAGAAG
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GTCTCCATGGTACCAGAAAACAACCTCACAGCACCTGAACCTCAAGAAGAGGTATCCACAAGTGAA
AATCCACAACCTTGA
ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCTGGAT
TACAAGGATGACGACGATAAGGTTTAAACGGCCGCGC
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<b>Restriction Sites:</b>	Sgfl-Mlul
<b>ACCN:</b>	NM_001290009
<b>Insert Size:</b>	1326 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>	<a href="#">NM_001290009.1</a>
<b>RefSeq Size:</b>	2834 bp
<b>RefSeq ORF:</b>	1326 bp
<b>Locus ID:</b>	51411
<b>UniProt ID:</b>	<a href="#">Q9UBW5</a>
<b>Cytogenetics:</b>	12q13.13
<b>MW:</b>	47.7 kDa
<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 (4) uses an alternate splice site in the 5' coding region, compared to variant 1. The encoded protein (isoform 4) is shorter, compared to isoform 1.</p>