

Product datasheet for **SC336694**

BIN2 (NM_001290007) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	BIN2 (NM_001290007) 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)



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Fully Sequenced ORF: >SC336694 representing NM_001290007.
 Blue=Insert sequence Red=Cloning site Green=Tag(s)

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GCTCGTTTAGTGAACCGTCAGAATTTTGTAAACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTG
GATCCGGTACCGAGGAGATCTGCCGCCGCGATCGCC
ATGGTGCTGCAGAAATTGGGAAAGCTGTAGAAACCAAGATGAACGATTGAACAAAGCGCTAGCAAC
TTCTACCAACAACAGGCAGAGGCCACAAGCTGTACAAGGACCTGAAGAACTTCCTTAGTGCAGTCAAA
GTGATGCATGAAAGTTCAAAAAGAGTGTAGAAACCCCTGCAGGAGATCTACAGCAGCGAGTGGGACGGT
CATGAGGAGCTGAAGGCCATCGTATGGAATAATGATCTCCTTTGGGAAGACTACGAGGAGAACTGGCT
GACCAGGCTGTAAGGACCATGGAATCTATGTTGCCAGTTCACTGAAATTAAGGAGAGAATTGCCAAG
CGGGGTCGGAACTCGTGGACTATGACAGTGCCCGACACCACCTGGAGGCAGTGCAGAATGCCAAGAAG
AAAGATGAGGCCAAGACTGCCAAGGCAGAGGAAGATTCAACAAAGCCAGACTGTGTTTGAAGATCTG
AACCAAGAACTACTAGAGGAGCTGCCTATTCTTTATAATAGTCGATTGGCTGCTATGTGACCATCTTC
CAAAACATTTCCAACCTTGAGGGATGTCTTCTACAGGGAATGAGCAAGCTGAACCACAATCTCTACGAG
GTGATGAGCAAACTGGAGAAGCAACATTCCAATAAAGTCTTTGTGGTGAAGGGACTGTCAAGCAGCAGC
AGGCGCTCTTTAGTCATTTCTCCCCAGTTCGAACAGCTACAGTCTCCAGTCTCTTACCTCACCTACT
AGTCCCTCTACACTTTCCCTTGAAGAGTGAGAGTGAATCTGTCTCAGCAACTGAAGATCTGGCACCTGAT
GCAGCCCAAGGGGAAGACAATTCTGAGATCAAGGAGCTCTTAGAAGAGGAGGAAATAGAGAAGGAAGGA
TCTGAAGCAAGCTCCTCTGAGGAAGATGAGCCTCTACCAGCCTGCAATGGCCCCGCCAGGCCAGCCC
TCTCTACCACTGAAAGGGCCAAGTCCCAGGAGGAAGTTCTCCCCAGTCCCAACTCCATCACCAGGC
GGAGCCCTGAGCCCTTCAAGGCAGCCTTCATCATCTGCCACAGAAGTAGTCCTCCGAACCCGCACCGCA
AGTGAAGGATCTGAACAACCAAGAAGAGAGCCTCTATCCAGAGGACCTCAGCACCCTTAGTAGGCCT
CCTCCACCCAGAGCCACTGCAAGCCCCAGGCCCTCCTCAGGGAACATACCTCCAGCCCTACAGCCTCT
GGAGGGGGTTTCACCACAGCCCTAGGGCCTCCTTGGGACTGGGACTGCAAGTCTAGGACCTCCCTA
GAGGTCTCTCCTAATCCAGAACCACAGAGAAGCCAGTAAGAAGTCTGAGGCCAAAGAAAATGAAAAC
ATCCACAATCAGAACCCTGAAGAAGTTTGTACTTCCCCACCTTAATGACATCTCAGGTTGCTTCAGAG
CCTGGAGAGGCAAGAAGATGGAAGACAAGGAAAAGGATAATAAGCTTATCTCAGCTAACTCCTCGGAG
GGCCAAGACCAGCTTCAAGTCTCCATGGTACCAGAAAACAACCTCACAGCACCTGAACCTCAAGAA
GAGGTATCCACAAGTAAAAATCCACAACCTGA
ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGAT
TACAAGGATGACGACGATAAGGTTTAAACGGCCGGC
  
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Restriction Sites: SgfI-MluI

ACCN: NM_001290007

Insert Size: 1620 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:	<u>NM_001290007.1</u>
RefSeq Size:	2255 bp
RefSeq ORF:	1620 bp
Locus ID:	51411
UniProt ID:	<u>Q9UBW5</u>
Cytogenetics:	12q13.13
MW:	59.2 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 (2) differs in the 5' UTR and initiates translation from an alternate start codon, compared to variant 1. The encoded protein (isoform 2) has a shorter and distinct N-terminus, compared to isoform 1.