

Product datasheet for RC238249

BIN2 (NM_001290009) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	BIN2 (NM_001290009) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	BIN2
Synonyms:	BRAP-1
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin
ORF Nucleotide Sequence:	>RC238249 representing NM_001290009 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGGATCGCC**

ATGAAATCTATGTTGCCAGTTCAGTGAATTAAGGAGAGAATTGCCAAGCGGGTCCGAAACTCGTGG
ACTATGACAGTGCCCGACACCACCTGGAGGCAGTGCAGAAATGCCAAGAAGAAAGATGAGGCCAAGACTGC
CAAGGCAGAGGAAGAGTCAACAAGCCCAGACTGTGTTGAAGATCTGAACCAAGAACTACTAGAGGAG
CTGCCTATTCTTTATAATAGTCGTATTGGCTGCTATGTGACCATCTTCCAAAACATTTCCAACCTTGAGGG
ATGCTCTTACAGGAAATGAGCAAGCTGAACCACAATCTCTACGAGGTGATGAGCAAATGGAGAGCA
ACATTCGAATAAAGTCTTTGTGGTGAAGGGACTGTCAAGCAGCAGCAGGCGCTCTTTAGTCATTTCTCCC
CCAGTTCGAACAGCTACAGTCTCCAGTCTCTTACCTCACCTACTAGTCCCTCTACACTTTCCTTGAAGA
GTGAGAGTGAATCTGTCTCAGCAACTGAAGATCTGGCACCTGATGCAGCCCAAGGGGAAGACAATTCTGA
GATCAAGGAGCTCTTAGAAGAGGAGGAAATAGAGAAGGAAGGATCTGAAGCAAGCTCCTCTGAGGAAGAT
GAGCCTCTACCAGCTGCAATGGCCCCGCCAGGCCAGCCCTCTCTACCACTGAAAGGGCCAAGTCCC
AGGAGGAAGTTCTCCCCAGCTCCACAACCTCCATCACAGGCGGAGCCCTGAGCCCTTCAGGGCAGCCTTC
ATCATCTGCCACAGAAGTAGTCTCCGAACCCGCACCGCAAGTGAAGGATCTGAACAACCAAGAAGAGA
GCCTCTATCCAGAGGACCTCAGCACCCCTAGTAGGCCTCTCCACCCAGAGCCACTGCAAGCCCCAGGC
CCTCCTCAGGGAACATACCTTCCAGCCCTACAGCCTCTGGAGGGGGTTACCCACAGCCCTAGGGCCTC
CTTGGGGACTGGGACTGCAAGTCTAGGACCTCCCTAGAGGTCTCTCCTAATCCAGAACCACAGAGAAG
CCAGTAAGAACTCCTGAGGCCAAAGAAAATGAAAACATCCACAATCAGAACCCTGAAGAAGTGTACTT
CCCCACCTTAATGACATCTCAGGTTGCTTCAAGCCTGGAGAGGCAAGAAGATGGAAGACAAGGAAA
GGATAATAAGCTTATCTCAGCTAACTCCTCGGAGGGCCAAGACCAGCTTCAAGTCTCCATGGTACCAGAA
AACACAACCTCACAGCACCTGAACCTCAAGAAGAGGTATCCACAAGTAAAATCCACAACCT

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >RC238249 representing NM_001290009
Red=Cloning site Green=Tags(s)

MEIYVAQFSEIKERIAKRGRKLDVYDSARHLEAVQNAKKKDEAKTAKAEFFFNKAQTVFEDLNQELLEEL
 LPILYNSRIGCYVTIFQINISNLRDVFYREMSKLNHNLVEVMSKLEKQHSNKVVFVKGLSSSSRRSLVISP
 PVRTATVSSPLTSPSTLSLKSESESVSATEDLAPDAAQGEDNSEIKELLEEEEEIEKEGSEASSSEED
 EPLPACNGPAQAQPSPTTERAKSQEEVLPSSSTTPSPGGALSPSQGPSSSATEVVLRTTRTASEGSEQPKKR
 ASIQRTSAPPSRPPPRATASPRPSSGNIPSSPTASGGGSPTSPRASLGTGTASPRTSLEVSPNPEPPEK
 PVRTPEAKENENIHNQNPPEELCTSPPLMTSQVASEPGEAKKMEDKEKDNKLI SANSSEGGDQLQVSMVPE
 NNNLTAPEPQEEVSTSEN PQL

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

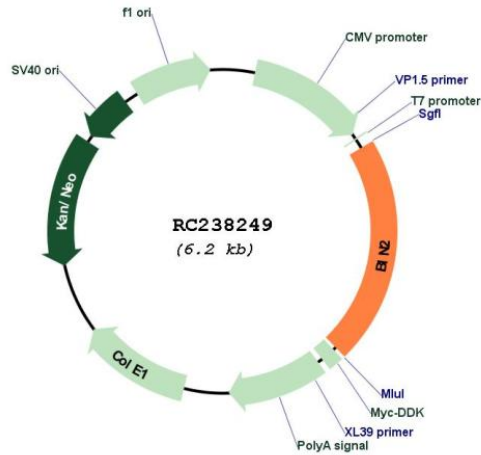
Restriction Sites:

SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM_001290009

ORF Size:	1323 bp
OTI Disclaimer:	The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. More info
OTI Annotation:	This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
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">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_001290009.2
RefSeq Size:	2834 bp
RefSeq ORF:	1326 bp
Locus ID:	51411
UniProt ID:	Q9UBW5
Cytogenetics:	12q13.13
MW:	48.1 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]