

Product datasheet for **RR216075**

Bag1 (NM_001256084) Rat Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Bag1 (NM_001256084) Rat Tagged ORF Clone
Tag: Myc-DDK
Symbol: Bag1
Synonyms: Bag-1
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
ORF Nucleotide Sequence: >RR216075 representing NM_001256084
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**GCGATCGCC**

ATGCCCCAGACCGAGGAGATGGTCCAGACGGAGGAAATGGAACCCACACTCAGCGTGGTCGTCACCC
ACAGCAATGAGAGGTATGACCTTCTTGTACCCACAGCAAGGTAACAGTGAGCCAATTGTCCAAGACCT
GGCTCAGCTTGTGAAGAGGCCACAGGAGTCCACTACCTTTTCAGAAGCTCATATTTAAGGGCAAATCT
CTGAAAGAAATGGAAACCCCTTGTGCACTTGGAAATGCAAAATGGTTGCCGAGTCATGTTAATTGGTG
AAAAGAGCAATCCAGAAGAAGAGGCTGAGTTGAAAAGCTGAAGGACTTGGAGGTATCTGTGGAGAAGAC
AGCTAACCCACTGGAAGAGTTGAATAAAGAGCTTTCTGACATCCAGCAGGTTTTCTGGCTAAGGAATTA
CAAGCGGAGGCTCTCTGCAGACTTGATAGGAAAATAAAGGCCACAATTGAGCAATTCATGAAGATCTTGG
AGGAGATTGACACAATGGTCCTACCAGAAACTTTAAAGACAGCAGGCTAAAAGGAAGAATTTGGTGAA
AAAGGTTCAGGTGTTCTAGCAGAGTGTGATACAGTGGAGCAGTACATCTGCCAAGAGACAGAGCGGCTG
CAGTCTACAACTTGGCCCTGCCTGAA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >RR216075 representing NM_001256084
 Red=Cloning site Green=Tags(s)

MAQTEEMVQTEEMEPPTLSVVVTHSNERYDLLVTPQQGNSEPIVQDLAQLVEEATGVPLPFQKLIIFKGKS
 LKEMETPLSALGMQNGCRVMLIGEKSNPEEEEALKKLDLEVSVEKTANHLEELNKELSDIQQGLAKEL
 QAEALCRLDRKIKATIEQFMKILEEIDTMVLPENFKDSRLKRKNLVKKVQVFLAECDTVEQYICQETERL
 QSTNLALPE

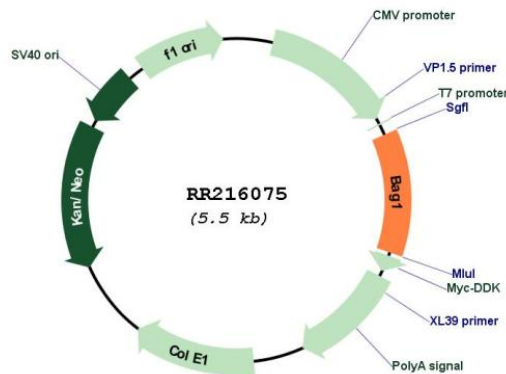
TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: Sgfl-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM_001256084

ORF Size: 657 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_001256084.1 , NP_001243013.1
RefSeq Size:	1308 bp
RefSeq ORF:	660 bp
Locus ID:	297994
UniProt ID:	B0K019
Cytogenetics:	5q22
MW:	24.9 kDa
Gene Summary:	The oncogene Bcl2 encodes a membrane protein that blocks a step in a pathway leading to apoptosis or programmed cell death. Studies in human and mouse suggest that the protein encoded by this gene (referred to as Bcl2-associated athanogene) binds to Bcl2 protein. It enhances the anti-apoptotic effects of Bcl2 and represents a link between growth factor receptors and anti-apoptotic mechanisms. At least two protein isoforms are encoded by this mRNA through the use of a non-AUG (CUG) start site and an alternative, downstream, AUG translation initiation site. [provided by RefSeq, Jul 2008]