

Product datasheet for MR225766

Bag1 (NM_009736) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Bag1 (NM_009736) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Bag1
Synonyms:	BAG-1; Ra; Rap46
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>MR225766 ORF sequence Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

CTGGCGGGTTCGACGCGCCGCGGGCGACCGGAGCGACCGGGAGCCGCTGGGACCCAGGCTGCGCGCC
CTCGGCCGCGCCGGGAGCCGCGCCAGTCGGAGTCCCGGGCCGAGCGGGGCTTGCCTCCCTCAGCGTTC
CTCTGTGCGCAGTGCAGCCAGCGGGCATGACCGATCCACCAGGGCGCCGCGCCGGCGCTGCAAGCCG
CGGTGAAGAAGAAAGTCCGGCCCCGCTTCTCAGAGCGAGAAGGTAGGAGCAGCAGCAGGGAGTTGA
CTAGAAGTAAGAAAGTGACCCGTAGCAAGAACGTGACCGGACCCAGGTAGAGGAGGTGACCAAGATCGA
GGAGGCGACCCAAACCGAGGAAGTAACTGTGGCAGAAGAGGTGACCCAGACCGACAACATGGCCAAGACC
GAGGAGATGGTCCAGACGGAGAAATGAAACACCCAGACTCAGCGTGATCGTCACCCACAGCAATGAGA
GGTATGACCTTCTGTTACCCACAGCAAGGTAACAGTGAGCCAGTTGTCCAAGACTTGGCTCAGCTTGT
TGAAGAGGCCACAGGAGTTCCACTACCTTTTCAGAAGCTCATATTTAAGGGAAAACTCTGAAAGAAATG
GAAACACCGTTGTCAGCACTTGAATGCAAAATGGTTGCCGAGTCATGTTAATTGGTGAAAAGAGCAATC
CAGAAGAAGAGGTTGAGTTAAAGAAGCTGAAAGATTTGGAGGTATCTGCAGAGAAGATAGCTAACCACCT
GCAAGAATTGAATAAAGAGCTTTCTGGCATCCAGCAGGGTTTTCTGGCTAAGGAATTGCAAGCGGAGGCT
CTCTGCAAACTTGATAGGAAAGTAAAAGCAACAATTGAGCAATTCATGAAGATCTTGGAGGAGATTGACA
CAATGGTCTACCAACAATTTAAAGACAGCAGGCTAAAAAGGAAGAATTTGGTGAAAAAGGTTTCAGGT
GTTCTTAGCAGAGTGTGACACAGTGAGCAATACATCTGCCAAGAGACAGAGCGGCTGCAGTCTACAAAC
TTGGCCCTGGCTGAA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTAA



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Protein Sequence: >MR225766 protein sequence
 Red=Cloning site Green=Tags(s)

LAGRSAARRPRGDREPLGPRLRAPRPAREPRQSESRAERGLPPSQRSSVRSAAASGHRSTRGAAAGACKP
 RVKKKVRPRSSQSEKVGSSSRELTRSKKVTRSKNVTGTQVEEVTKIEEATQTEEVTVAAEVTQTDNMAKT
 EEMVQTEEMETPRLSVIVTHSNERYDLLVTPQQGNSEPVVQDLAQLVEEATGVPLPFQKLIKFKGSLKEM
 ETPLSALGMQNGCRVMLIGEKSNPEEEEVELKCLKDLEVS AEKIANHLQELNKELSGIQQGF LAKELQAEA
 LCKLDRKVKATIEQFMKILEEIDTMVLP EQFKDSRLKRKNLVKKVQVFLAECDTVEQYICQETERLQSTN
 LALAE

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

Sgfl-MluI

Cloning Scheme:

Cloning sites used for ORF Shuttling:



* The last codon before the Stop codon of the ORF

ACCN: NM_009736

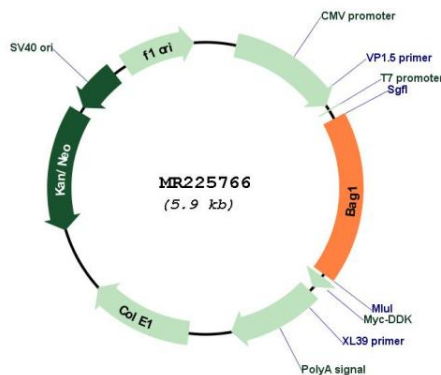
ORF Size: 1065 bp

OTI Disclaimer: Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in E. coli are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA can be purchased from OriGene with batch-specific, full-sequence verification at a reduced cost. Please contact our customer care team at custsupport@origene.com or by calling 301.340.3188 option 3 for pricing and delivery.

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:	<u>NM_009736.3, NP_033866.4</u>
RefSeq Size:	1365 bp
RefSeq ORF:	1068 bp
Locus ID:	12017
UniProt ID:	<u>Q60739</u>
Cytogenetics:	4 A5
MW:	39.7 kDa
Gene Summary:	The oncogene Bcl2 encodes a membrane protein that blocks a step in a pathway leading to apoptosis or programmed cell death. The protein encoded by this gene binds to Bcl2 protein and is referred to as Bcl2-associated athanogene. 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]

Product images:


Circular map for MR225766