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Product datasheet for RN216075

Bag1 (NM_001256084) Rat Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Bag1 (NM_001256084) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Bag1
Synonyms:	Bag-1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>RN216075 representing NM_001256084 Red=Cloning site Blue=ORF Orange=Stop codon TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC GCCGCGATCGCC ATGGCCCAGACCGAGGAGATGGTCCAGACGGAGGAAATGGAACCACCCACACTCAGCGTGGTCGTCACCC ACAGCAATGAGAGGTATGACCTTCTTGTTACCCCACAGCAAGGTAACAGTGAGCCAATTGTCCAAGACCT GGCTCAGCTTGTTGAAGAGGCCACAGGAGTTCCACTACCTTTTCAGAAGCTCATATTTAAGGGCAAATCT CTGAAAGAAATGGAAACACCCTTGTCAGCACTTGGAATGCAAAATGGTTGCCGAGTCATGTTAATTGGTG AAAAGAGCAATCCAGAAGAAGAGGCTGAGTTGAAAAAGCTGAAGGACTTGGAGGTATCTGTGGAGAAGAC AGCTAACCACCTGGAAGAGTTGAATAAAGAGCTTTCTGACATCCAGCAGGGTTTTCTGGCTAAGGAATTA CAAGCGGAGGCTCTCTGCAGACTTGATAGGAAAATAAAGGCCACAATTGAGCAATTCATGAAGATCTTGG AGGAGATTGACACAATGGTCCTACCAGAAAACTTTAAAGACAGCAGGCTAAAAAGGAAGAATTTGGTGAA AAAGGTTCAGGTGTTCCTAGCAGAGTGTGATACAGTGGAGCAGTACATCTGCCAAGAGACAGAGCGGCTG CAGTCTACAAACTTGGCCCTGCCTGAATGA ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT ACAAGGATGACGACGATAAGGTTTAA
Restriction Sites:	SgfI-MluI
ACCN:	NM_001256084
Insert Size:	660 bp

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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).
OTI Annotation:	Clone contains native stop codon, and expresses the complete ORF without any c-terminal tag.
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:	NM_001256084.1, NP_001243013.1
RefSeq Size:	1308 bp
RefSeq ORF:	660 bp
Locus ID:	297994
UniProt ID:	B0K019
Cytogenetics:	5q22
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] Transcript Variant: This variant (1) encodes multiple isoforms due to the use of alternative translation initiation codons. The longer isoform (BAG-1L or p50) is derived from an upstream non-AUG (CUG) start codon, while the shorter isoform (BAG-1S or p32) is derived from a downstream AUG start codon. The shorter isoform (1S) is represented in this RefSeq.