

Product datasheet for **SC323983**

BAG5 (NM_004873) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	BAG5 (NM_004873) Human Untagged Clone
Tag:	Tag Free
Symbol:	BAG5
Synonyms:	BAG-5
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC (PS100020)
E. coli Selection:	Ampicillin (100 ug/mL)



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Fully Sequenced ORF: >OriGene sequence for NM_004873.2
 CGGGCCAAGACGCCCGGAGCGGCTGCTGCAGCCAGTAGCGGCCCTTCACCGGCTGCCCC
 GCTCAGACCTAGTCGGGAGGGGTGCGAGGCATGCAGCTGGGGGCCAGCTCCGGTGCCGC
 ACCCCGTAAGGGGCTGATCTTCCACCTCGCCACCTCAGCCACGGGACGCCAAGACCCGAT
 CCAATTCAGACTTCTTTTGGTGTGTGAACTGAACACAACAAAAGTATGGATATGGGA
 AACCAACATCCTTCTATTAGTAGGCTTCAGGAAATCCAAAAGGAAGTAAAAAGTGTAGAA
 CAGCAAGTTATCGGCTTCAGTGGTCTGCAGATGACAAGAATTACAAGAACTGGAGAGG
 ATTCTAACAAAACAGCTTTTTGAAATAGACTCTGTAGATACTGAAGGAAAAGGAGATATT
 CAGCAAGCTAGGAAGCGGCGAGCACAGGAGACAGAACGCTTCTCAAAGATTGGAGCAG
 AATGCAAACCACCCACACCGATTGAAATACAGAACATTTTTGAGGAAGCCAGTCCCTC
 GTGAGAGAGAAAAATTGTGCCATTTATAATGGAGGCAACTGCGTAACTGATGAGTTTGA
 GAAGGCATCCAAGATATCATTCTGAGGCTGACACATGTTAAAACCTGGAGGAAAAATCTCC
 TTGCGGAAAGCAAGGTATCACACTTAAACAAAATCTGGGCGGTGCAAGAGATAATCGAA
 GACTGCATGAAAAAGCAGCCTTCCCTGCCGCTTCCGAGGATGCACATCCTTCCGTTGCC
 AAAATCAACTTCGTGATGTGTGAGGTGAACAAGGCCCGAGGGTCTGATTGCACCTCTG
 ATGGGTGTGAACAACAATGAGACCTGCAGGCACTTATCCTGTGTGCTCTCGGGGCTGATC
 GCTGACCTGGATGCTCTAGATGTGTGCGGCCGGACAGAAATCAGAAATTATCGGAGGGAG
 GTAGTAGAAGATATCAACAAATTATTGAAATATCTGGATTTGGAAGGAAGCAGACACA
 ACTAAAGCATTTGACCTGAGACAGAATCATTCCATTTTAAAAATAGAAAAGGTCTCAAG
 AGAATGAGAGAAATAAAAAATGAACTTCTCAAGCACAAAACCTTCTGAATTGTACCTG
 AGCTCCAAAACAGAAATTCAGGGTTTAAATTGGACAGTTGGATGAGGTAAGTCTTGAAAA
 AACCCCTGCATCCGGGAAGCCAGGAGAAGAGCAGTGCAGGTCGAACTCTGATCACA
 TATATTGACTTGAAGGAGGCCCTTGAGAAAAGAAAGCTGTTTGTGAGGAGCACCCA
 TCCCATAAAGCCGTCTGGAACGTCCTTGAAACTTGTCTGAGATCCAGGAGAAGTTCTT
 TCAATTTGATGAAATCGAACCGATAAGAATAACATCCGGCTGGAAGAGCTGCTACCAAG
 CAGCTGTAGCCCTGGATGCTGTTGATCCGCAGGGAGAAGAGAAGTGAAGGCTGCCAGG
 AAACAAGCTGTGAGGCTTGCAGAGAAATTTCTCAGCTATCTCGACCTGAAATCTGATGAA
 TGGGAGTACTGAAATACCAGAGATCTCACTTTTGATACTGTTTGCACCTCATATGTGCT
 TCTATGTATAGAGAGCTTTCAGTTCATTGATTTATACGTGCATATTTAGTCTCAGTATT
 TATGATTGAAGCAAATTTCTATTCAGTATCTGCTGCTTTTGTGTTGCAAGACAAATATCA
 TTACAGCACGTTAACTTTCCATTCGGATCATTAAAAAAAAAAAAAAAAAAAAAAAAAAAA
 AA

Restriction Sites: ECoRI-NOT

ACCN: NM_004873

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: This TrueClone is provided through our Custom Cloning Process that includes sub-cloning into OriGene's pCMV6 vector and full sequencing to provide a non-variant match to the expected reference without frameshifts, and is delivered as lyophilized plasmid DNA.

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_004873.2](#), [NP_004864.1](#)

RefSeq Size: 4847 bp

RefSeq ORF: 1344 bp

Locus ID: 9529

UniProt ID: [Q9UL15](#)

Cytogenetics: 14q32.33

Domains: BAG

Protein Families: Druggable Genome

Gene Summary: The protein encoded by this gene is a member of the BAG1-related protein family. BAG1 is an anti-apoptotic protein that functions through interactions with a variety of cell apoptosis and growth related proteins including BCL-2, Raf-protein kinase, steroid hormone receptors, growth factor receptors and members of the heat shock protein 70 kDa family. This protein contains a BAG domain near the C-terminus, which could bind and inhibit the chaperone activity of Hsc70/Hsp70. Three transcript variants encoding two different isoforms have been found for this gene. [provided by RefSeq, Jul 2008]

Transcript Variant: This variant (2) differs in the 5' UTR and coding region compared to variant 1. The resulting isoform (b) is shorter at the N-terminus compared to isoform a. Variants 2 and 3 both encode the same isoform (b). Sequence Note: This RefSeq record was created from transcript and genomic sequence data to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on transcript alignments.