

Product datasheet for **SC301989**

BAG5 (NM_001015049) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	BAG5 (NM_001015049) Human Untagged Clone
Tag:	Tag Free
Symbol:	BAG5
Synonyms:	BAG-5
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)



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Fully Sequenced ORF: >OriGene ORF within SC301989 sequence for NM_001015049 edited (data generated by NextGen Sequencing)

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ATGCGTTTCCATTGGTTACCCACCTTGAGCGAGCCGTTTGTAGAAACCAAGAGCTTGAACGTGCATTA
GGCCGTTGTGGACTCCCAGTGGGAGTGCTTGTGAAACTGAACACAACAAAAGTATGGATATGGGAAACCA
ACATCCTTCTATTAGTAGGCTTCAGGAAATCCAAAAGGAAGTAAAAAGTGTAGAACAGCAAGTTATCGGC
TTCAGTGGTCTGTGAGATGACAAGAATTACAAGAACTGGAGAGGATTCTAACAAAACAGCTTTTTGAAA
TAGACTCTGTAGATACTGAAGGAAAAGGAGATATTCAGCAAGCTAGGAAGCGGGCAGCACAGGAGACAGA
ACGTCTTCTCAAAGAGTTGGAGCAGAATGCAAACCCACCCACCCGATTGAAATACAGAACATTTTTGAG
GAAGCCCAGTCCCTCGTGAGAGAGAAAATTGTGCCATTTTATAATGGAGGCAACTGCGTAACTGATGAGT
TTGAAGAAGGCATCCAAGATATCATTCTGAGGCTGACACATGTTAAAAGTGGAGGAAAAATCTCCTTGCG
GAAAGCAAGGTATCACACTTTAACCAAAATCTGTGCGGTGCAAGAGATAATCGAAGACTGCATGAAAAAG
CAGCCTTCCCTGCCGCTTCCGAGGATGCACATCCTTCCGTTGCCAAAATCAACTTCGTGATGTGTGAGG
TGAACAAGGCCCGAGGGTCTGATTGCACTTCTGATGGGTGTGAACAACATGAGACCTGCAGGCCTT
ATCCTGTGTGCTCTCGGGGCTGATCGCTGACCTGGATGCTCTAGATGTGTGCGGCCGGACAGAAATCAGA
AATTATCGGAGGGAGGTAGTAGAAGATATCAACAAATTATTGAAATATCTGGATTGGAAGAGGAAGCAG
ACACAACATAAGCATTGACCTGAGACAGAATCATTCCATTTTAAAAATAGAAAAGGTCCTCAAGAGAAT
GAGAGAAAATAAAAAATGAACTTCTCAAGCACAAAACCCCTTCTGAATTGTACCTGAGCTCCAAAACAGAA
TTGCAGGGTTTAAATTGGACAGTTGGATGAGGTAAGTCTTGAAAAAACCCCTGCATCCGGGAAGCCAGGA
GAAGAGCAGTGATCGAGGTGCAAACTCTGATCACATATATTGACTTGAAGGAGGCCCTTGAGAAAAGAAA
GCTGTTTGCTTGTGAGGAGCACCCATCCCATAAAGCCGTCTGGAACGTCCTTGAAACTTGTCTGAGATC
CAGGGAGAAGTTCTTTTATTGATGAAAATCGAACCGATAAGAAGTACATCCGGCTGGAAGAGTGCTCA
CCAAGCAGCTGCTAGCCCTGGATGCTGTTGATCCGCAGGGAGAAGAGAAGTGAAGGCTGCCAGGAAACA
AGCTGTGAGGCTTGCAGCAATATTCTCAGCTATCTCGACCTGAAATCTGATGAATGGGAGTACTGA
    
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Clone variation with respect to NM_001015049.2
75:g=>a

- Restriction Sites:** Please inquire
- ACCN:** NM_001015049
- Insert Size:** 2000 bp
- 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:	<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_001015049.1</u> , <u>NP_001015049.1</u>
RefSeq Size:	5073 bp
RefSeq ORF:	1467 bp
Locus ID:	9529
UniProt ID:	<u>Q9UL15</u>
Cytogenetics:	14q32.33
Protein Families:	Druggable Genome
Gene Summary:	<p>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]</p> <p>Transcript Variant: This variant (1) represents the longest transcript and encodes the longest isoform (a). 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.</p>