

Product datasheet for **RG208123**

BAG5 (NM_001015049) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	BAG5 (NM_001015049) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	BAG5
Synonyms:	BAG-5
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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ORF Nucleotide Sequence:

>RG208123 representing NM_001015049
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGCGTTTCCATTGGTTACCCACCTTGAGCGAGCCGTTTGTATAGAAACCAAGAGCTTGAACGTGCATTA
 GGCCATTGTGGACTCCCAGTGGGAGTGCTTGTGAAACTGAACACAACAAAAGTATGGATATGGGAAACCA
 ACATCCTTCTATTAGTAGGCTTCAGGAAATCCTAAAGGAAGTAAAAAGTGTAGAACAGCAAGTTATCGGC
 TTCAGTGGTCTGTGAGATGACAAGAATTACAAGAACTGGAGAGGATTCTAACAAAAACAGCTTTTTGAAA
 TAGACTCTGTAGATACTGAAGGAAAAGGAGATATTCAGCAAGCTAGGAAGCGGCCAGCACAGGAGACAGA
 ACGTCTTCTCAAAGAGTTGGAGCAGAATGCAAACCAACCCACCCGGATTGAAATACAGAACATTTTTGAG
 GAAGCCCAGTCCCTCGTGAGAGAGAAAATTGTGCCATTTATAATGGAGGCAACTGCGTAACTGATGAGT
 TTGAAGAAGGCATCCAAGATATCATTCTGAGGCTGACACATGTTAAAACCTGGAGGAAAAATCTCCTTGCC
 GAAAGCAAGGTATCACACTTTAACCAAAATCTGTGCGGTGCAAGAGATAATCGAAGACTGCATGAAAAAG
 CAGCCTTCCCTGCGCTTCCGAGGATGCACATCCTTCCGTTGCCAAAATCAACTTCGTGATGTGTGAGG
 TGAACAAGGCCCGAGGGTCTGATTGCACTTCTGATGGGTGTGAACAACAATGAGACCTGCAGGCACTT
 ATCCTGTGTGCTCTCGGGCTGATCGCTGACCTGGATGCTCTAGATGTGTGCGGCCGGACAGAAATCAGA
 AATTATCGGAGGGAGGTAGTAGAAGATATCAACAAATTATTGAAATATCTGGATTTGGAAGAGGAAGCAG
 ACACAATAAAGCATTGACCTGAGACAGAATCATTCCATTTAAAAATAGAAAAGTCTCAAGAGAAT
 GAGAGAAAATAAAATGAACTTCTCAAGCACAAAACCTTCTGAATTGTACCTGAGCTCCAAAACAGAA
 TTGACGGTTTAATTGGACAGTTGGATGAGGTAAGTCTTGAAAAAACCCCTGCATCCGGAAGCCAGGA
 GAAGACAGTGATCGAGGTGCAAACTCTGATCACATATATTGACTTGAAGGAGGCCCTTGAGAAAAGAAA
 GCTGTTTGTCTGTGAGGAGCACCCATCCATAAAGCCGTCTGGAACGTCCTTGGAAAACCTGTCTGAGATC
 CAGGGAGAAGTCTTTTCAATTTGATGAAAATCGAACCGATAAAGAACTACATCCGGCTGGAAGAGCTGCTCA
 CCAAGCAGCTGCTAGCCCTGGATGCTGTTGATCCGAGGGAGAAGAGAAGTGAAGGCTGCCAGGAAACA
 AGCTGTGAGGCTTGCAGAGAATATTCTCAGCTATCTCGACCTGAAATCTGATGAATGGGAGTAC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence:

>RG208123 representing NM_001015049
 Red=Cloning site Green=Tags(s)

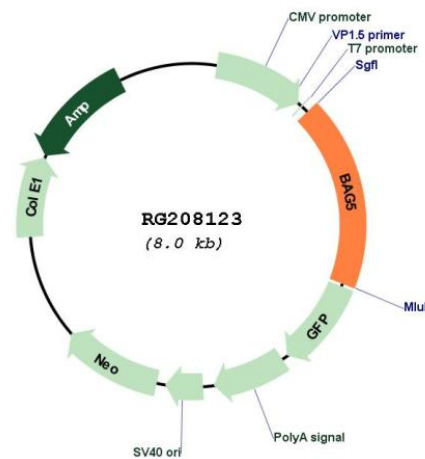
MRFHWLPTLSEPFDRNQELETICIRPLWTPSGSACETEHNKSMGMGNQHPISRLQEIQKEVKSVEQQVIG
 FSGLSDDKNYKLERILTKQLFEIDSVDTEGKDIQQARKRAAQETERLLKELEQNANHPHRIEIQNIFE
 EAQSLVREKIVPFYNGGNCVTDEFEEGIQDIILRLTHVKTGGKISLRKARYHTLTKICAVQEIIEDCMKK
 QPSLPLSEDAHPSVAKINFVMCEVNKARGVLIALLMGVNNNETCRHLSCVLSGLIADLDALDVCGRTEIR
 NYRREVVEDINKLLKYLDLEEEADTTKAFDLRQNHSILKIEKVLKRMREIKNELLQAQNPSEL YLSSKTE
 LQGLIGQLDEVSLEKNPCIREARRRAVIEVQTLITYIDLKEALEKRKLFACEEHP SHKAVWVNLGNLSEI
 QQEVLSFDGNRTDKNYIRLEELLTKQLLALDAVDPQGEEKCKAARKQAVRLAQNILSYLDLKSDEWEY

TRTRPLE - GFP Tag - V

Restriction Sites:

Sgfl-MluI

Cloning Scheme:

Plasmid Map:


ACCN: NM_001015049

ORF Size: 1464 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_001015049.3
RefSeq Size:	5073 bp
RefSeq ORF:	1467 bp
Locus ID:	9529
UniProt ID:	Q9UL15
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>