

Product datasheet for **SC303461**

BAG2 (NM_004282) Human Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: BAG2 (NM_004282) Human Untagged Clone
Tag: Tag Free
Symbol: BAG2
Synonyms: BAG-2; dj41711.2
Mammalian Cell Selection: None
Vector: [pCMV6-XL5](#)
E. coli Selection: Ampicillin (100 ug/mL)

Fully Sequenced ORF: >OriGene sequence for NM_004282 edited
GTGACCTCTTGGCTACCCCGCTCGGAGGCTTAGATGGCTCAGGCGAAGATCAACGCTAA
AGCCAACGAGGGCGCTTCTGCCGCTCCTCCTCCATGGCTGACCGCTCCAGCCGCTGCT
GGAGAGCCTGGACCAGCTGGAGCTCAGGTTGAAGCTTTGAGAGAAGCAGCAACTGCTGT
TGAGCAAGAGAAAAGAAATCCTTCTGAAAATGATCCACAGTATCCAAAATAGCCAGGACAT
GAGGCAGATCAGTGACGGAGAAAGAGAAGAAATTAATCTGACTGCAAACCGTTTGTGGG
AAGAACTCTCACCGTTGAAGTGTGTCAGTAGAAACAATTAGAAACCCCGCAGCAAGAATC
CCTAAAGCATGCCACAAGGATTATTGATGAGGTGGTCAATAAGTTTCTGGATGATTTGGG
AAATGCCAAGAGTCATTTAATGTCGCTCTACAGTGCATGTTTCTGAGGTGCCACATGG
GCCAGTTGATCAGAAGTTTCAATCCATAGTAATTGGCTGTGCTCTTGAAGATCAGAAGAA
AATTAAGAGAAGATTAGAGACTCTGCTTAGAAAATTGAAAACCTGACAAGGCCATCAA
GCTATTAGAGCATTCTAAAGGAGCTGGTTCCAAAACCTGCAACAAAATGCTGAAAGCAG
ATTCAATTAGTCTTCAAACCTAAGAGCATTACACAATACACAAGGTGTAATAAATGATAA
AATACTATTTAATTGATAACTAGTTCTTTGTTAGGTATAACCACTTAGTTGACACTGAT
AGTTGTTTCAGATGAGGAAAATATTCCATCAAGTATCTTCAGTTTTGTGAATAACAAAAC
TAGCAATATTTAATTATCTATCTAGAGATTTTTAGATTG

Restriction Sites: Please inquire

ACCN: NM_004282

Insert Size: 900 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).



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OTI Annotation:	The ORF of this clone has been fully sequenced and found to be a perfect match to NM_004282.2.
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_004282.2 , NP_004273.1
RefSeq Size:	1556 bp
RefSeq ORF:	636 bp
Locus ID:	9532
UniProt ID:	O95816
Cytogenetics:	6p12.1
Protein Families:	Druggable Genome
Gene Summary:	BAG proteins compete with Hip for binding to the Hsc70/Hsp70 ATPase domain and promote substrate release. All the BAG proteins have an approximately 45-amino acid BAG domain near the C terminus but differ markedly in their N-terminal regions. The predicted BAG2 protein contains 211 amino acids. The BAG domains of BAG1, BAG2, and BAG3 interact specifically with the Hsc70 ATPase domain in vitro and in mammalian cells. All 3 proteins bind with high affinity to the ATPase domain of Hsc70 and inhibit its chaperone activity in a Hip-repressible manner. [provided by RefSeq, Jul 2008]