

Product datasheet for **RN201099**

Bag5 (NM_001008526) Rat Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Bag5 (NM_001008526) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Bag5
Synonyms:	MGC95040
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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Fully Sequenced ORF: >RN201099 representing NM_001008526
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGGATATGGAAACCAACACCCTTCTATTAGTAGGCTTCAGGAGATCCAACGGGAAGTAAAGAGTATAG
 AGCAGCAAGTGGTTGGCTTCAGTGGCCTGTCGGATGACAAGAATTACAAGAGACTGGAGAGGATTCTGAC
 GAAACAACTTTTGAAATCGACTCTGTGGATACAGAAGGAAAGGAGACATCCAGCAAGCTAGGAAGAGG
 GCAGCACAGGACACAGAACGCCTTCTCAAAGAGTTGGAGCAGAACCGAACCACCCACACCGGATTGAAA
 TCAAGAATATCTTTCAAGAAGCTCAGGCCCTTGTGAAAGAAAAGACTGTGCCCTTTACAGTGGAAGCAA
 CTGTGTGACTAGCGAGTTTGAGGAAGCCATCCAGGACATCATTCTGAGGCTGACACATGTTAAAACAGGA
 GGAAGATCTCCTTGGGAAAGCAAGGTACCACACACTAACCAAGATCTGTGCGGTACAAGAGATTATTG
 AAGACTGTGTGAGGAAACAGCCTTCCCTGCCACTTCCGAGGATGTGCATCCTTCTGTGCGCAAGATCAA
 TTCTGTGATGTGTGAGGTGAACAAGGCCAGAGGACTCTGATTGCACTTCTGATGGCGTGGACAGTTCT
 GAGACTTCAGGCACTTATCATGCGTGTGTCAGGACTGATGGCTGATTTAGATGCTCTAGATGTGTGTG
 GGCGTACAGAGATCAGAAATTATCGGAGGGAGGTGGTGAAGATATCAACAAATTAATAAATATCTAGA
 TTTAGAAGAGGAAGCTGACAATACACATGCATTTGACCTGGGACAGAACCATTCCATTATAAAGATAGAA
 AATGTCCTCAAGAGGATGAGAGAAATGAAAAATGAACTTCTCCAGGCACAGAGCCCTCCTGAATTGTACC
 TGAGGTCCAAGACAGAGCTGCAGGGCTTGATCGGGCAGCTGGACGAAGTGAAGTCTGGAGAAAAACCCCTG
 CATCAGAGAGGCCAGGAGAAGAGCAGTGATTGAGGTGCAGACCCTCATCACGTACCTGGACCTGAAGGAG
 GCCCTCGAGAAGGAAGCTGTTCCCGTGTGAGGAGACCCCCACATAAGGCTGTGTGGAATGTCCTTG
 GAAACCTGTCAGAGATCCAGGGTGAAGTCTCCTTTGGTGGGAACCGAACTGATAAGAACTACATTCTG
 TCTGGAGGAGCTACTGACCAAACAGTTGCTGACTCTGGATGCTGTTGACCCACTGGGAGAAGAGAAGTGT
 AAGGCTGCCAGGAAGCAGGCCGTGAAGCTGGCCAGAACATCCTCAGCTACCTTGACATGAAGTCTGATG
 AGTGGGAGTACTGA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

- Restriction Sites:** SgfI-MluI
- ACCN:** NM_001008526
- Insert Size:** 1344 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).
- 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_001008526.2](#), [NP_001008526.1](#)
RefSeq Size: 2040 bp
RefSeq ORF: 1344 bp
Locus ID: 366734
UniProt ID: [Q5QJC9](#)
Cytogenetics: 6q32
Gene Summary: May function as a nucleotide exchange factor for HSP/HSP70, promoting ADP release, and activating Hsp70-mediated refolding. Inhibits both auto-ubiquitination of PRKN and ubiquitination of target proteins by PRKN.[UniProtKB/Swiss-Prot Function]