

Product datasheet for **RR201099**

Bag5 (NM_001008526) Rat Tagged ORF Clone

Product data:

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



[View online »](#)

ORF Nucleotide Sequence:

>RR201099 representing NM_001008526
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGGATATGGAAACCAACACCCTTCTATTAGTAGGCTTCAGGAGATCCAACGGGAAGTAAAGAGTATAG
 AGCAGCAAGTGGTTGGCTTCAGTGGCCTGTCGGATGACAAGAATTACAAGAGACTGGAGAGGATTCTGAC
 GAAACAACCTTTTGAATCGACTCTGTGGATACAGAAGGAAAGGAGACATCCAGCAAGCTAGGAAGAGG
 GCAGCACAGGACACAGAACGCCTTCTCAAAGAGTTGGAGCAGAACCGAACCACCCACACCGGATTGAAA
 TCAAGAATATCTTTCAAGAAGCTCAGGCCCTTGTGAAAGAAAAGACTGTGCCCTTTACAGTGGAAGCAA
 CTGTGTGACTAGCGAGTTTGGGAAGCCATCCAGGACATCATTCTGAGGCTGACACATGTTAAAACAGGA
 GGAAGATCTCCTTGGGAAAGCAAGGTACCACACACTAACCAAGATCTGTGCGGTACAAGAGATTATTG
 AAGACTGTGTGAGGAAACAGCCTTCCCTGCCACTTCCGAGGATGTGCATCCTTCTGTGCCAAGATCAA
 TTCTGTGATGTGTGAGGTGAACAAGGCCAGAGGACTCTGATTGCACTTCTGATGGCGTGGACAGTTCT
 GAGACTTCAGGCACTTATCATGCGTGTGTCAGGACTGATGGCTGATTTAGATGCTCTAGATGTGTGTG
 GGCGTACAGAGATCAGAAATTATCGGAGGGAGGTGGTGAAGATATCAACAAATTAATAAATATCTAGA
 TTTAGAAGAGGAAGCTGACAATACATGCATTTGACCTGGGACAGAACCATTCCATTATAAAGATAGAA
 AATGTCCTCAAGAGGATGAGAGAAATGAAAAATGAACTTCTCCAGGCACAGAGCCCTCCTGAATTGTACC
 TGAGGTCCAAGACAGAGCTGCAGGGCTTGATCGGGCAGCTGGACGAAGTGAGTCTGGAGAAAAACCCCTG
 CATCAGAGAGGCCAGGAGAAGAGCAGTGATTGAGGTGCAGACCCTCATCACGTACCTGGACCTGAAGGAG
 GCCCTCGAGAAGGAAGCTGTTCCCGTGTGAGGAGACCCCCACATAAGGCTGTGTGGAATGTCTTGTG
 GAAACCTGTCAGAGATCCAGGGTGAAGTCTCTCTTTGGTGGGAACCGAACTGATAAGAATAACATTCTG
 TCTGGAGGAGCTACTGACCAAACAGTTGCTGACTCTGGATGCTGTTGACCCACTGGGAGAAGAGAAGTGT
 AAGGCTGCCAGGAAGCAGGCCGTGAAGCTGGCCAGAACATCCTCAGCTACCTTGACATGAAGTCTGATG
 AGTGGGAGTAC

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>RR201099 representing NM_001008526
 Red=Cloning site Green=Tags(s)

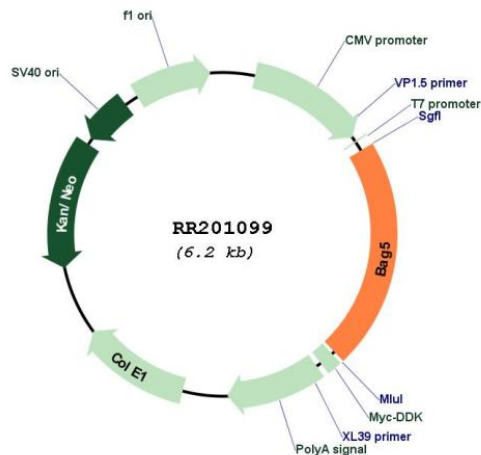
MDMGNQHPSISRLQEIQREVKSIEQQVVGFSGLSDDKNYKRLERILTKQLFEIDSVDTEGKGDIIQARKR
 AAQDTERLLKELEQNANHPHRIEIKNIFQEAQALVKEKTPFYSGSNCVTSEFEEAIQDIILRLTHVKTG
 GKISLRKARYHTLTKICAVQEIIEDCVRKQPSLPLSEVHPSVAKINSVMCEVKNKARGTLIALLMGVDS
 ETCRHLSCVLSGLMADLDALDVCGRTEIRNYRREVVEDINKLLKYLDLEEEADNTHAFDLGNHNSIIKIE
 NVLKRMREMKNELLQAQSPPELYLRSKTELOGLIGQLDEVSLKNPCIREARRRAVIEVQTLITYLDLKE
 ALEKRRKLPCEETPPHKAVWVNLGNLSEIQGEVLSFGGNRTDKNYIRLEELLTKQLLTLDAVDPLGEEKK
 KAARKQAVKLAQNILSYLDMKSDEWEY

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

Sgfl-MluI

Cloning Scheme:

Plasmid Map:


ACCN: NM_001008526

ORF Size: 1341 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:

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

MW: 51 kDa

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]