

Product datasheet for **RR206116**

Bag4 (NM_001025130) Rat Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Bag4 (NM_001025130) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Bag4
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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ORF Nucleotide Sequence:

>RR206116 representing NM_001025130
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGTCGGCCCTGAGGCGCTCGGGCTACGGCCCCAGTGACGGCCCTTCGTACGGCCGCTACTACGGGCCCC
 GGGGCGGCGATGTCCCGTCCACGTACCTCCGCCCTTATACCATCCGCTTCGCCCGGAGCCTCCCCAGCC
 TCCGGTTTCCTGGCGAGGGCGCGGGGCCGCCCGCCGAGACCCTGGCCGGGAGAAGGCGCAGGTGGT
 GATGGCTACTACCCCTCTGGAGGCGCTGGGCAGAACCGAGCAGAGCTGGAGGAGCCACCAGGAACAGC
 CACCATATCCTGGTTATAACTCTAACTACTGGAATTCTGTGCGACCCAGGGCTCCGTACCCAAGCACATA
 CCCTATGAGGCCAGAGTTACAAGCCAGAGTCTGAATTCTTACGCAAATGGAGCATATGGCCACCTTAC
 CCTCTGGCCCTGCAACAGCAAGTGTGCCTCTTACTCTGGGGCTTACTACGTACCTGGCTATGCTCAAG
 GCACTTACTCCACGGACATTCCTAGCACCTACCGTTCACCTGGTAAACAGCCCGACTCCAGTGTGCGGTTG
 GATGTATCCCCAGCAGGACTGTCCGACAGAAGCGCCTCCTCTGCGGGTCAAGTCCGGGGTATCCTGCT
 TCACAGAACCCCTGCAATGACCTTGCCCAATTATCCTTACGGAGATGGCAACCGCACTGTGCCACAGTCTG
 GAGCAACTGGACGACCACAAGATGATGCATGGGCTTCTAGTGCTTACGGGATGGGAGCCCGTTATCCCTG
 GCCTTCAGCTGCACCCTCAGCCCCCTCTGGGAACCTGTACATGACGGAAGTGCTTACCATGGCCCGGT
 AACAGTTCTCCTCAGCCACCTCCTTACCTCCACCCCAACAGCCTAAGGACTCCTCATATTCCTATAGCC
 AATCGGGTCAAGGCATGAACCGGCACAGCTTTCCTTGCAGCGTCCGTGATGAATCTCCGGGAGCAGT
 GAACAATGATGAATCAGACCTTTTGGATTCTCAAGTCCAATATAGTGTGAGCCGAGTTGTATGGGAAT
 ACCAGCAGTGAGCATCCAAGCAACCAAGTCCCAGTAATAATCTCCCTGAAGAGTGTCTTCTTCCAGATG
 AAGGCACTCCTCCAAGTATTAATAAATCATACTGTGCTGGAGAAGTCCAGTATCTTGAGCAAGAAGT
 AGAGGAGTTTGTGGGAAAAAGACAGACAAAGCCTACTGGCTTCTGGAAGAAATGCTGACAAAGGAAGT
 TTAGAAGTGGATTCTGTTGAAACTGGGGCCAGGACTCTGTGCGTCAGGCCAGGAAAGAAGCTGTTTGT
 AGATCCAGGCCATACTGGAAAAGTTAGAAAAAAGGGATTA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>RR206116 representing NM_001025130
 Red=Cloning site Green=Tags(s)

MSALRRSGYGPSDGPSTYGRYYGPGGDVPHVPPPL YHPLRPEPPQPPVSWRGRGGAPAETTPWPEGAGG
 DGYYPSSGAWAEP SRAGGGHQEQPPYPGYNSNYWNSVRPRAPYPSTYPMRPELQGGSLNSYANGAYGPPY
 PPGPATASAASYSGAYYVPGYAQGTYSTDIPSTYRSPGNSPTPVSRRMYPQDCPTEAPPLRGQVPGYPA
 SQNPAMTLPHYPYDGNRTVPQSGATGRPQDDAWASSAYGMGARYPWPSAAPSAPSGNL YMTESASPWPG
 NSSPQPPPSPPPQPKDSSYSYSQSGQGMNRHSFPCSVRQYEPGAVNNDSDLDSQVQYSAEPQLYGN
 TSSEHPSNQVPSNNLPEECFSSDEGTPPSIKKI IHVLEKQYLEQEVEEFVGKTKDKAYWLLLEMLTKEL
 LELDSVETGGQDSVRQARKEAVCKIQAILEKLEKGL

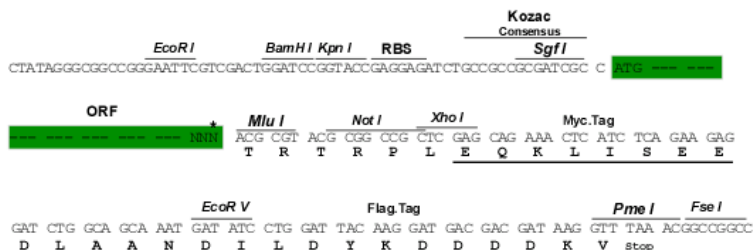
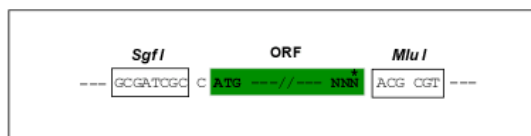
TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

Sgfl-Mlul

Cloning Scheme:

Cloning sites used for ORF Shuttling:



* The last codon before the Stop codon of the ORF

ACCN: NM_001025130

ORF Size: 1371 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_001025130.1](#), [NP_001020301.1](#)

RefSeq Size: 2266 bp

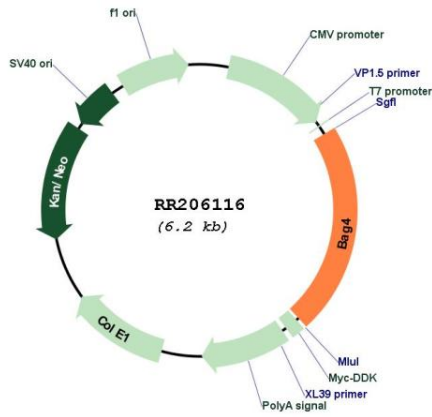
RefSeq ORF: 1374 bp

Locus ID: 361167

Cytogenetics: 16q12.4

MW: 49.3 kDa

Product images:



Circular map for RR206116