

Product datasheet for **MR205171**

BC003331 (BC003331) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Tag:	Myc-DDK
Symbol:	BC003331
Synonyms:	MGC7150
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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ORF Nucleotide Sequence: >MR205171 ORF sequence
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCCGCGATCGCC

ATGGGAAGAACCTACATTGTAGAAGAGACTGTTGGCCAGTATCTTTCAAGCATCAACCTCCAGGAAAAAC
 CTTTTGTCTCTGGTCTTTTGATAGGACAGTGTTCTTCACAAAAGGATTATGTGATTCTTGCCACTAGAAC
 ACCACCCAAGAGGAACAAAATGACAAAGTCAAACAGCCGAGAGCTAAGTTGGATAATTTGGATGAAGAA
 TGGGCCACAGAACATGCCAGCCAGGTGTCCAGAATGCTCCCTGGAGGACTTGTGGTTCTTGAATATTTA
 TTATCACAACCTTTAGAACTAGCAGATGATTTTCAAAATGCCCTGCGCAGACTAATATTTCTATGGAAAA
 ATCTATGAGTAGAAAAAGACTATGGGATGTCACAGAGGACGAGGTCTCAGAACGAGTGACACTTCACATT
 GTTCTCTACAAAAAATATCTTGTGCAACTTACGATGTCCAAGATCCAAGAGTTCAGCAAGACCCG
 CAGATTGGAAGTATCAGAGTAGAGTGTCTGCCTCATGGCTGTCTAGACTGTACTGTTACGTTAACAT
 TCACATCCCACTGTCGGCTACTTCTGTGAGTACACTCTGGAAAAAACACAAAGAGTGGACTTACACGC
 TGGGCCAAGCAAAATAGAAAATGGTGTATCTGATTAATGGACAAGTTAAAGGCAACGATTGTGACTTAT
 TAGAAGGACAGCTCCTGAATTCGGACCACAGATCCACAGCCACAGTCCAATCTGCAGTGGTTCTGTAAA
 TCTTCGGGGAATGTGAAATGCAGAGCTTATATCCATAGCAACAGACCCCAAGGTTAAAGATGCTGTGCAG
 GCAGTGAAGAGAGATATTTGAACACAGTTGCTGATCGCTGTGAAATACTCTTTGAGGACCTGCTTCTGA
 ATGAAATTCAGAAAAAATTTATGAACCTTCTCAGAGAGTTTTTGTTCCTTCTGATCTACTGT
 AATGTTATGTGACTATAAGTTTGGTGTGAATCAGCTGAAGAAATCAGAGACCATTTTTCAGAGATGTTA
 GATCATGAGATTCAAATAGAAGACTTGAAATTGCAGAGGAAGTAAACACAGCTTGATGACTTCTCTGT
 TGAATAGTGAAGCTTCACTGACCAACACAAGTGAAGAACACCAGAACACCAAAAAAACCATAGGAGT
 GAAATTCAGCAAAACATAGGTGTGATCGCAGCACTAGCTGTTGCAGTGTGCTGCGGGCATCTCCTTC
 CATTACTTCAGTGAT

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

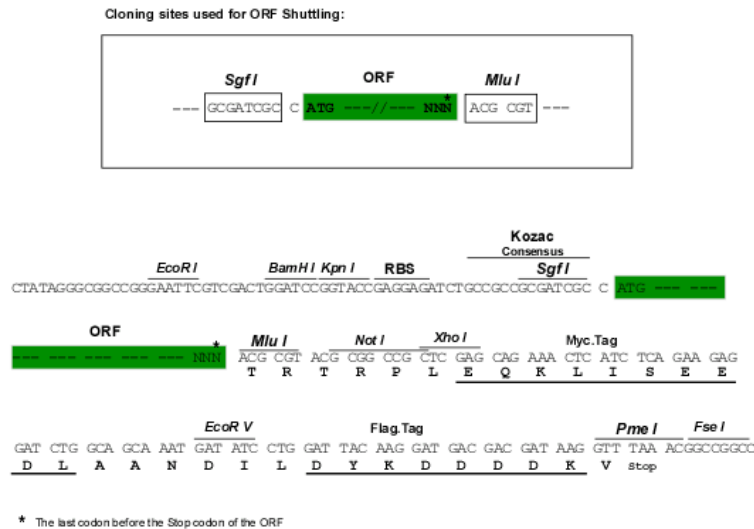
Protein Sequence: >MR205171 protein sequence
 Red=Cloning site Green=Tags(s)

MGRTYIVEETVGQYLSSINLQGKPFVSGLLIGQCSSQKDYVILATRTPPKKEQNDKVQPRAKLDNLDEE
 WATEHASQVSRMLPGLVVLGIFIITTTLELADDFQNALRRLIFSMEKSMRKRLLWDVTEDEVSESVTLHI
 CSSTKKISCRTYDVQDPKSSARPADWKYQSRVSASWLSLDCTVHVNIHIPLSATSVSYTLEKNTKSGLTR
 WAKQIENGYYLINGQVKGNDCDLLEGQLLNSDHRSTATVQICSGSVNLRGNVCRAYIHSNRPKVKDAVQ
 AVKRDILNTVADRCEILFEDLLLNEIPEKKNYELPQRFVPLPGSTVMLCDYKFGDESAAEIRDHFSEML
 DHEIQIEDLEIAEEVNTACMTSSVNSEASLTNTSEEQPEQPKKTIGVKIQNIGVIAALAVAVLAAGISF
 HYFSD

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: BC003331

ORF Size: 1275 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:

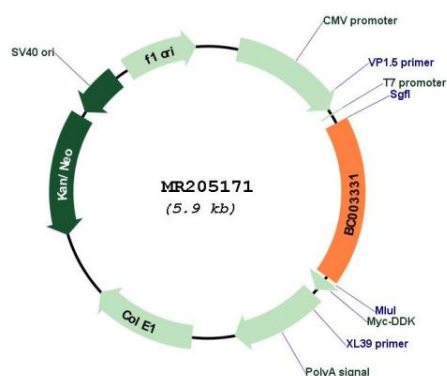
1. Centrifuge at 5,000xg for 5min.
2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.
3. Close the tube and incubate for 10 minutes at room temperature.
4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.
5. Store the suspended plasmid at -20°C. The DNA is stable for at least one year from date of shipping when stored at -20°C.

Note: Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.

RefSeq: [BC003331](#), [AAH03331](#)

RefSeq Size:	1621 bp
RefSeq ORF:	1034 bp
Locus ID:	226499
Cytogenetics:	1 G1
MW:	47.6 kDa
Gene Summary:	May play a role in the trafficking of a subset of G-protein coupled receptors.[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MR205171