

Product datasheet for **MR205147**

Kif12 (BC022225) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Kif12 (BC022225) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Kif12
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>MR205147 ORF sequence Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGAGGAACGTGGGTCTCCCGATGGAGACCCAGCACGGAACCTGGAGCAAGGGCCAGAAGGATCAGAAA
CTCCCATTCAAGTGGTGCCTCAGGGTGCCTCCCATGAGCACAGTGGAGCTGCGTCGAGGGGAGCAGAGTGC
ATTGCACTGTTTCGGGGACCAGGACTCTGCAGGTGAGCCCGCCGGTGGAGGCCCGATGTGGCGTTCGCG
TTTGGCGCCGTAAGTGGACGGGGCGCCAGCAGGAGGACGTGTTTCAGAGCTTGCAGTGTGAAGCGCCTGG
GTGAGCTGGCGCTGCGCGGTTTCTCCTGCACGGTCTTACAGTTTGGCCAGACTGGTCTGGGAAGACCTA
CACTCTGACTGGACCTCCTCCGCAGGGGAAGGGGTGCCCGTCCCCCAAGCCTGGCTGGCATCATGCAG
AGGACCTTACCTGGCTATTAGATCGCGTGCAGCACCTGGATTCCCCGGTCACCTCCGAGCTTCTTACC
TGGAGATCTACAATGAGCAGTTTGGGACTTGCTGAGTCTGGGGTCTCCACGGCCTCTGCCTGTTAGATG
GACCAAGGCACGAGGCTTCTATGTGGAACAGCTTCGGGTGGTGGAGTTTGGCAGTCTGGAGGCTTTGATG
GAGCTCCTGCAGATGGGTCTCAGCCGTCGTCGGAGCTCCTCACATACCTTGAACCAGGCCTCCAGCAGAA
GCCATGCCCTGCTTACACTCCACATCAGCCGCCAACTGTGAGTGTCCAGCCTGTGAAGGGCTGGCTCA
GGGATACCCATTGAGACTCTCTGCCTTTGCATGGATAAAACAACCTGGCTCTGTTGGGTGTATGGGGAGG
AAACCTTTGACCTTGGACACTGGGACTTAAATACAGACAGCCCTCCCCAAGTCCCATCAAACCTGGT
TCACCACTCTCAGCAGGTACCTCCTGTGGACCTTGGGGAGCCCTGTTGGAGGGAAGCTGTGCTTTGTG
GATCTTGCAGGCAGTGAGAAAGTGGCAGCCACAGGATCCCAAGGGCAGC

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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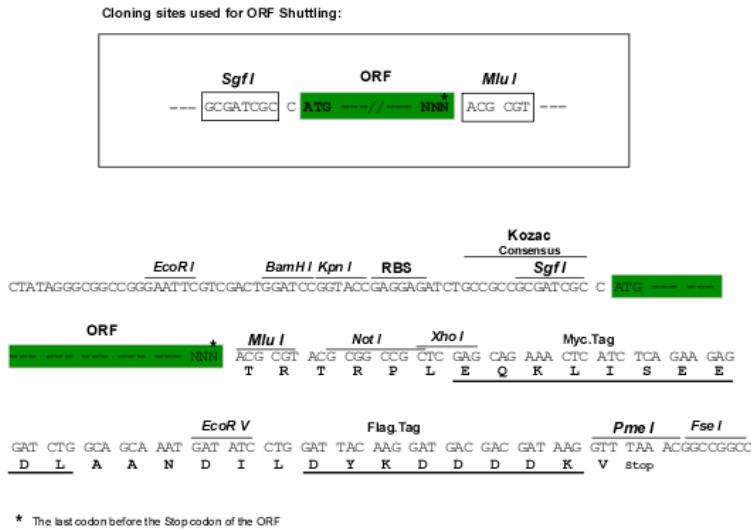
Protein Sequence: >MR205147 protein sequence
 Red=Cloning site Green=Tags(s)

MEERGSPDGD PARNLEQGPEGSETPIQVVL RVRPMSTVELRRGEQSALHCSGTRTLQVSPPGGGPDVAFR
 FGAVLDGARTQEDVFRACGVKRLGELALRGF SCTVFTFGQTGSGKTYTLTGPPPQGEVPPSLAGIMQ
 RTFTWLLDRVQHLDSPVTLRASYLEIYNEQVWDL LSLGSPRPLPVRWTKARGFYVEQLRVVEFGSLEALM
 ELLQMGLSRRRSSHTLNQASSRSHALL TLHISRPTVSVQPVVEGLAQGYPLRLSAFAWIKQLGSVGCMGR
 KPLTLRHWFNTD SPPQVPIKPWFTSLSR YLLWTLGSP LLEGSCALWILQAVRKWQPQDPKGS

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: BC022225

ORF Size: 1029 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: [BC022225](#), [AAH22225](#)

RefSeq Size: 3402 bp

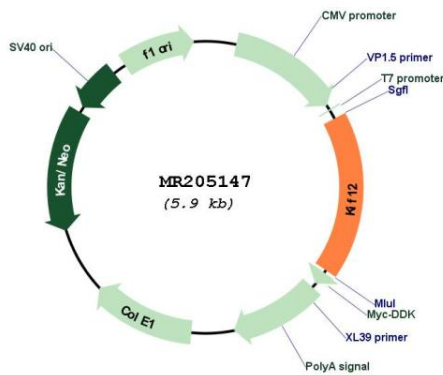
RefSeq ORF: 1031 bp

Locus ID: 16552

Cytogenetics: 4 B3

MW: 37.9 kDa

Product images:



Circular map for MR205147