

## Product datasheet for **MR206348**

### Kcnab3 (NM\_010599) Mouse Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Kcnab3 (NM_010599) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Kcnab3
Synonyms:	C330022D06Rik; Kcnab4; mKv(beta)4
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>MR206348 ORF sequence Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGCAAGTGTCTATCGCGTGTACCGAGCAGAACCCTTCGCAGCCGGAGCAGTGAGGACCGTCTCTGTGGAC  
CCCGGCCCGTCTGGGGCGGTAATGGAGGGCCAGTGGCGGAGGGCATGGGAACCTCCGGGGGTGG  
AGGACCGAGCTCGAAGTCACGAGCTGCAGTGGTCCCTAGACCCAGCACCTGCTGGGGCCCTTCGAGAG  
AGCACCAGCCGAGGCACTGGCATGAAATACAGGAACCTAGGGAAGTCTGGGCTCCGGGTGCTCTGTCTTG  
GCCTTGGTACCTGGGTACGTTTGGCTCTCAGATCTCAGATGAGACAGCAGAAGATCTCCTGACAGTTGC  
CTATGAGCACGGGTAACCTGTTTGACACTGCTGAAAGTGTACGGCGCAGGAAAGGCTGAAAGAACCCTT  
GGCAATATTCTCAAGAGCAAAGGCTGGAGGAGATCAAGCTATGTTATCACCAAGATTTTTGGGGTG  
GACAGGCAGAAACAGAGCGTGGCTTGGTTCGAAACACATCATTGAAGGCTTGAAGGATCCCTGGACCG  
CCTCCAGCTGGAATACGTTGATATAGTATTTGCCAATCGTTCAGATCCTAATAGTCTATGGAGGAGATT  
GTGAGAGCCATGACCTATGTCATCAACCAGGGCCTGGCCCTATACTGGGGACATCCAGATGGAGTGCTG  
CAGAAATCATGGAGGCCACTCCATGGCCAGACAGTTCATCTGATCCCTCCTGTGTGCGAGCAAGCGGA  
GAACCACTTCTTTCAGAGGGAGAAGGTGGAGATGCAGCTGCCTGAGCTCTACCACAAAATTGGTGTGGC  
TCAGTCACTTGGTCCCCCTGGCGTGGCCCTCATTACTAGCAAGTATGATGGCGAGTCCGGATACTT  
GCAAAGCCACTGTCAAGGGCTACCAAGTGGCTCAAAGAAAAGTTTCAGAGTGAAGGCAAGCAAGCAACA  
AGCCAGAGTGATGGATCTTCTCCAACCTGCTCGCCAGCTAGGCTGCACCGTGGCCCAACTAGCTATAGCC  
TGGTGTCTCCGAAGCGAGGGTGTGAGCTGTGTTTACTGGGGTGTCCAGTGCAGAGCAGCTGATGGAAC  
ATCTGGGCTCCCTACAGGTGCTGAGTGCAGTGCAGCCGAAACGGTGGTGGAAATAGATGCGCTCTTGGG  
GAACAAATCGCATTCCAAGAAG

**ACGGT**ACGGCGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA



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**Protein Sequence:** >MR206348 protein sequence  
 Red=Cloning site Green=Tags(s)

MQVSIACTEQNLRSRSEDRLCGPRPGPGGGNGGPVGGGHGPNPPGGGGPSSKSRAAVVPRPPAPAGALRE  
 STGRGTGMKYRNLGKSGLRVSLGLGTWVTFGSQISDETAEDLLTVAYEHGVNLFDTAEVYAAGKAERTL  
 GNILKSKGWRSSYVITTKIFWGGQAETERGLSRKHIEGLQGSLDRLQLEYVDIVFANRSDPNSPMEEI  
 VRAMTYVINQGLALYWGTSRWSAAEIMEAYSMARQFNLIIPPVCEQAENHFFQREKVEMLPELYHKIGVG  
 SVTWSPLACGLITSKYDGRVPTCKATVKGYQWLKEKVQSEEGKKQARVMDLLPTARQLGCTVAQLAIA  
 WCLRSEGVSLLGVSSAEQLMEHLGSLQVLSQLTPQTVVEIDALLGNKSHSKK

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

**Restriction Sites:** SgfI-MluI

**Cloning Scheme:**

Cloning sites used for ORF Shuttling:



\* The last codon before the Stop codon of the ORF

**ACCN:** NM\_010599

**ORF Size:** 1215 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\\_010599.4](#)

**RefSeq Size:** 2537 bp

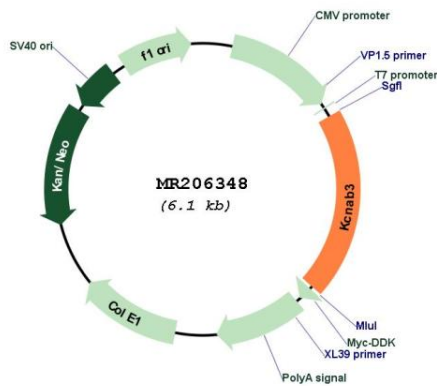
**RefSeq ORF:** 1215 bp

**Locus ID:** 16499

**Cytogenetics:** 11 B3

**MW:** 43.8 kDa

**Product images:**



Circular map for MR206348