

## Product datasheet for **RR208867**

### **Nab2 (NM\_001134874) Rat Tagged ORF Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	Nab2 (NM_001134874) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Nab2
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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**ORF Nucleotide Sequence:**

>RR208867 representing NM\_001134874  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGGATCGCC**

ATGCACAGAGCGCCCTCTCCACAGCGGAGCAGCCACCTGGCAGAGCGGATAACACCCGCCGGACCCAC  
 AACCCAGAGTCAAGGCAAGTGCCTCAACCATGGCACTGCCTCGAACACTGGGTGAGCTGCAGCTGTACCG  
 GGTCTGCAGCGTGCCAACCTTCTTTCTTACTACGAGACCTTCATCCAGCAGGGAGGGATGATGTACAG  
 CAGCTGTGTGAGGCGGGCAGGAGGAGTTCTGGAAATCATGGCACTTGTGGCATGGCCACCAAACCAC  
 TCCATGTCCGACGTCTACAGAAGCTCTGAGAGAAATGGGCCACCAACCCAGGGCTCTTACGCCAACCACT  
 GCCTGTGTGCCTGTCTCCAGCATCCCACTTTTCAAGATCTCTGAGACAGCTGGTACCCGAAAGGGAGC  
 ATGAGCAATGGGCATGGCAGCCAGGAGAAAAGGCGGCCAGTGTCTGAAGCTTTAGCCCCAAGAGTCCCC  
 TTGAACCTGGAGAGAAGCTATCACCCTTCTGGAGGACCTGGTGCAGGGGATCCCCGGATCTGGCCAGG  
 CCAGAGCACTCCAGAATCTGATGTTGGAGCAGGAGGAGAAGAGGAGGCCGGGTCTCCCCCTTCTCCCC  
 CCTGCAGGGGGAGGAGTCCCTGAGGGGACTGGGGCTGGGGGGTGGCTGCAGGTGGCACAGGGGGTGGTC  
 CAGACCGCTGGAACAGAGATGGTGCATGGTGGTAGAGAGTGTGGAGAGGATCTCCGGAGTTTCCC  
 CAGGGGTGACACTGGAGAGATCACATCCCTGTTGAAGCTGAATAAGAAGCTGGCAGCGAGTGTGGGGCAC  
 ATCTTTGAGATGGATGATAACGACAGCCAGAAAGAAGAGGAGATCCGAAAATATAGCATCATCTATGGCC  
 GCTTGGATTCAAACGGCGTGAGGGCAAACAGCTTAGCTTGCACGAGTTGACCATCAATGAGGCTGCTGC  
 CCAATTCTGCATGAGGGACAACCCCTTTACTTGAAGGGTGAAGTCTTCTACTGTCCCGCAAAGTA  
 GCCCGAGAGACCTATCTTTCTTCTTGAAGGGATCCAGGCTTCACTCTGAAGAATTGGGAGGTCCAC  
 CACTGAAGAAACTGAAACAAGAGGTTGGAGAACAGAGTCACTGAAATCCAGCAGCCTCCTCCAGGCC  
 TGAGCCCTATGCACCCCATACCGCCCAAGCCTCGAGGAGGACAGCGCCAGTCTGTCTGGGAGAGCCTA  
 GATGGTCACTTGCAGGCTGTGGGGTCTGCCCAAGGCTGACGCCGCCCTGCTGACCTGCCCTGGCAT  
 TGCCAGCGCATGGGCTATGGAGCCGCCACATCTTGCAGCAGACTGATGGATGAGGGGGTGCGGCTCGC  
 CCGCTCGTCTCCATGATCGTGTGGGCCCTCAGCCCTGTGTGCTGCGAAGCCGCTCTCGCAGAA  
 TTCGAGGAAGGGTTGCTGGATCGCTGTCTGCCCAAGGACCTCATCTGCTCTGGTGGAGGGTGCAGGA  
 GCAGCGTCAAAGTGGAGGCAGAAGCCAGCAGGCAG

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Protein Sequence:**

>RR208867 representing NM\_001134874  
 Red=Cloning site Green=Tags(s)

MHRAPSPTAEQPPGRADNTRRTPQPRVKASASTMALPRTLGLQLYRVLQRANLLSYETFIQQGGDDVQ  
 QLCEAGEEEFLEIMALVGMATKPLHVRRLQKALREWATNPGLFSQPVPVAVPVSSIPLFKISETAGTRKGS  
 MSNGHSPGKAGSARFSFKSPLLEKLSPLPGPGAGDPRIWPGQSTPESDVGAGGEEAGSPPFSP  
 PAGGGVPEGTGAGGVAAGGTGGGPDRLPEMVRMVVESVERIFRSFPRGDTGEITSLKLNKKLARSVGH  
 IFEMDDNDSQKEEIRKYSIIYGRLLSKRREGKQLSLHELTIMEAAAQFCMRDNTLLLRVELFSLSRQV  
 ARESTYLSLKGSRHSEELGGPPLKLLKQEVGEQSHTETIQPPPGPEPYAPPYRPSLEEDSASLSGESL  
 DGHLLQAVGSCPRLTPPPADLPLALPAHGLWSRHILQQLMDEGLRLARLVSHDRVGRLLSPVPAKPLAE  
 FEEGLLDRCPAPGPHPALVEGRRSSVKVEAEASRQ

**TR**TRPLEQKLISEEDLAANDILDYKDDDDKV

**Restriction Sites:**

SgfI-MluI

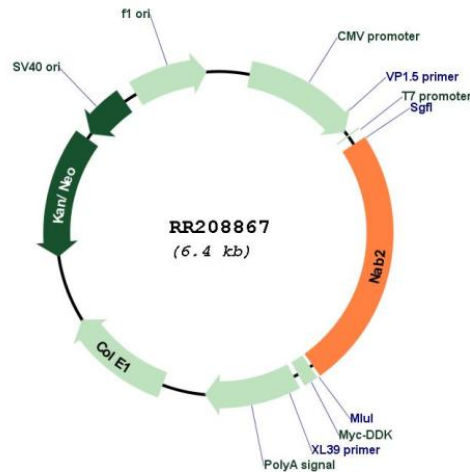
Cloning Scheme:

Cloning sites used for ORF Shutting:



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

## Plasmid Map:



ACCN: NM\_001134874

ORF Size: 1575 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\\_001134874.1](#), [NP\\_001128346.1](#)

**RefSeq Size:** 3366 bp

**RefSeq ORF:** 1578 bp

**Locus ID:** 314910

**Cytogenetics:** 7q22

**MW:** 56.6 kDa