

## Product datasheet for **MR219464**

### **Nab2 (NM\_001122895) Mouse Tagged ORF Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	Nab2 (NM_001122895) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Nab2
Synonyms:	AI451907
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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**ORF Nucleotide Sequence:**

>MR219464 representing NM\_001122895  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGATCGCC**

ATGCACAGAGCTCCCTCTCCACAGCGGAACAGCCACCTGGCAGAGGGGATAACACACGCCGGACCCCGC  
 AACCCAGATTC AAGGCAAGT GCCCAGCCATGGCACTGCCTCGGACACTGGGTGAGCTACAGCTGTATCG  
 GGTCTGCAACGCGCAACCTCCTCTCTTACTACGAGACCTTCATCCAGCAGGGAGGAGATGATGTACAG  
 CAGCTGTGTGAGGCTGGCGAGGAGGAGTTCTGGAAATCATGGCACTCGTGGGCATGGCCACCAAACCAC  
 TCCATGTCCGACGTCTACAGAAGGCTCTGAGAGAATGGGCCACCAATCCAGGGCTCTTCAGCCAACCAGT  
 GCCTGTGTGCCGTCTCCAGCATCCCCTTTTCAAGATCTCTGAGACAGCTGGTACCCGAAAGGGAGC  
 ATGAGCAATGGGCACGGCAGCCAGGAGAAAAGGCGGCAGTGTCTGAAGCTTTAGCCCCAAGAGTCCCC  
 TCGAATTGGAGAGAAGTTGTCGCCACTCCCTGGAGGACCTGGGCAGGGGATCCCCGGATCTGGCCAGG  
 CCAGAGCACTCCAGAATCTGATGTTGGAGCAGGGGAGAAGAGGAGGCCGGGTCTCCCCCTTTCTCCCCA  
 CCTGCAGGGGGAGGAGTCTCTGAAGGCCCTGGGGTTGGGGGGTGGCAGCTGGTGGTGCAGGGGGTGGTC  
 CAGACCGCTGGAACCAGAGATGGTGCGAATGGTGGTGGAGAGTGTGGAGAGGATCTCCGGAGTTTCCC  
 CAGGGGTGACACTGGAGAGATCGCATCCCTGTTGAAGCTGAATAAGAAGCTGGCGCGAGCGTGGGGCAC  
 ATCTTTGAGATGGACGATCATGACGCCAGAAGGAAGAGGAGATCCGGAAGTACAGCGTCATCTACGGCC  
 GCCTGGACTCCAAAAGGCGGGAGGGCAAACAGCTTAGCTTGCATGAGCTGACCATCAACGAGGCTGCTGC  
 CCAGTTTGCATGAGGGACAACACTCTTTTACTGCGAAGGGTAGAACTCTTCTACTGTCCCACAAGTA  
 GCCCGAGAGAGCACCTATCTTTCTTCTGAAGGGATCCAGGCTTCACTCTGAAGAATTGGGAGGCCAC  
 CACTGAAGAACTGAAACAAGAGGTTGGAGAACAGAGTCACAATGAAATCCAGCAGCCTCTCCAGGCC  
 TGAGTCTATGCACCCCATACCGCCCGCAGCCTAGAGGAGGACAGCGCCAGTCTGTCTGGGAGAGCCTG  
 GATGGCCACTTGCAGGAGTTCGAGGAGGGTGTCTGGACCCTGCCCTGCCCGGGACCTCATCCTGCTC  
 TGGTGGAGGGCCGAGGAGCAGCGTTAAAGTGGAGGCAGAAGCCAGCCGGCAG

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Protein Sequence:**

>MR219464 representing NM\_001122895  
 Red=Cloning site Green=Tags(s)

MHRAPSPTAEQPPGRGDNTRRTPQPRFKASAPAMALPRTLGEQLYRVLQRANLLSYYETFIQGGDDVQ  
 QLCEAGEEEFLEIMALVGMATKPLHVRRLQKALREWATNPGLFSQPVPVAVPVSSIPLFKISETAGTRKGS  
 MSNGHGPSGEKAGSARFSKSPLELGEKLSPLPGGPGAGDPRIWPGQSTPESDVGAGGEEEGSPFPSP  
 PAGGGVSEGPVGGVAAGGAGGGPDRLEPEMVRMVVESVERIFRSFPRGDTGEIASLLKLNKKLARSVGH  
 IFEMDDHDAQKEEIRKYSVIYGRLLSKRREGKQLSLHELTIMEAAAQFCMRDNTLLLRVELFSLSRQV  
 ARESTYLSSLKGSRLHSEELGGPPLKLLKQEVGEQSHNEIQPPPGPESYAPPYRPSLEEDSASLSGESL  
 DGHLEFEELDRCPAPGHPALVEGRRSSVKVEAEASRQ

**TR**TRPLEQKLISEEDLAANDILDYKDDDDKV

**Restriction Sites:**

Sgfl-Mlul

**Cloning Scheme:**

**ACCN:** NM\_001122895

**ORF Size:** 1383 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\\_001122895.1](#), [NP\\_001116367.1](#)
**RefSeq Size:** 2401 bp

**RefSeq ORF:** 1386 bp

**Locus ID:** 17937

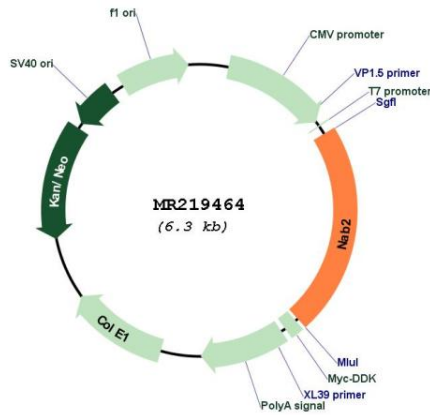
**UniProt ID:** [Q61127](#)

**Cytogenetics:** 10 74.6 cM

**MW:** 50.2 kDa

**Gene Summary:** Acts as a transcriptional repressor for zinc finger transcription factors EGR1 and EGR2. Isoform 2 lacks repression ability.[UniProtKB/Swiss-Prot Function]

**Product images:**



Circular map for MR219464