

Product datasheet for **MR208425**

Nab2 (NM_008668) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Nab2 (NM_008668) 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:

>MR208425 ORF sequence
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGCACAGAGCTCCCTCTCCACAGCGGAACAGCCACCTGGCAGAGGGGATAACACACGCCGGACCCCGC
 AACCCAGATTC AAGGCAAGTGCCCCAGCCATGGCACTGCCTCGGACACTGGGTGAGCTACAGCTGTATCG
 GGTCTGCAACGCGCAACCTCCTCTTACTACGAGACCTTCATCCAGCAGGGAGGAGATGATGTACAG
 CAGCTGTGTGAGGCTGGCGAGGAGGAGTTCTGGAAATCATGGCACTCGTGGGCATGGCCACAAACCAC
 TCCATGTCCGACGTCTACAGAAGGCTCTGAGAGAATGGGCCACCAATCCAGGGCTCTTACGCCAACCACT
 GCCTGCTGTGCCGTCTCCAGCATCCCCTTTCAAGATCTCTGAGACAGCTGGTACCCGAAAGGGAGC
 ATGAGCAATGGGCACGGCAGCCAGGAGAAAAGGCGGCAGTGTCTGAAGCTTTAGCCCCAAGAGTCCCC
 TCGAATTGGAGAGAAGTTGTCGCCACTCCCTGGAGGACCTGGGCAGGGGATCCCCGGATCTGGCCAGG
 CCAGAGCACTCCAGAATCTGATGTTGGAGCAGGGGAGAAAGAGGAGGCCGGGTCTCCCCCTTCTCCCCA
 CCTGCAGGGGGAGGAGTCTCTGAAGGGCTGGGGTTGGGGGGTGGCAGCTGGTGGTGCAGGGGGTGGTC
 CAGACCGCTGGAACCAGAGATGGTGCAATGGTGGTGGAGAGTGTGGAGAGGATCTCCGGAGTTTCCC
 CAGGGGTGACACTGGAGAGATCGCATCCCTGTTGAAGCTGAATAAGAAGCTGGCGCGAGCGTGGGGCAC
 ATCTTTGAGATGGACGATCATGACGCCAGAAGGAAGAGGAGATCCGGAAGTACAGCGTCATCTACGGCC
 GCCTGGACTCCAAAAGGCGGGAGGGCAAACAGCTTAGCTTGCATGAGCTGACCATCAACGAGGCTGCTGC
 CCAGTTTGCATGAGGGACAACACTCTTTTACTGCGAAGGGTAGAAGTCTTCTACTGTCCCACAAGTA
 GCCCGAGAGACACCTATCTTTCTTCTGAAGGGATCCAGGCTTCACTCTGAAGAATTGGGAGGCCAC
 CACTGAAGAAAAGTAAACAAGAGGTTGGAGAACAGAGTACAATGAAATCCAGCAGCCTCCTCCAGGCC
 TGAGTCTATGCACCCCATACCGCCCGCAGCTAGAGGAGGACAGCGCCAGTCTGTCTGGGAGAGCCTG
 GATGGCCACTTGCAGGCTGTGGGGTCTGCCAAGGCTGACGCCGCCCTGCTGACCTGCCCTGGCAT
 TGCCAGCGCATGGGCTATGGAGCCGCCACATCTTGCAGCAGACTGATGGATGAGGGGGTGGCGCTCGC
 CCGCTCGTCTCCATGATCGTGTGGGCCGCTCAGCCCTGTGTGCTGCGAAGCCGCTCTCGCAGAG
 TTCGAGGAGGGTTGCTGGACCGCTGCCCTGCCCGGGACCTCATCTGCTCTGGTGGAGGGCCGACGGA
 GCAGCGTTAAAGTGGAGGCAGAAGCCAGCCGGCAG

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>MR208425 protein sequence
 Red=Cloning site Green=Tags(s)

MHRAPSPTAEQPPGRGDNTRRTPQPRFKASAPAMALPRTL GELQLYRVLQRANLLSYETF IQGGDDVQ
 QLCEAGEEEFLEIMALVGMATKPLHVRRLQKALREWATNPGLFSQPVPVAVPVSSIPLFKISETAGTRKGS
 MSNGHGSFGEKAGSARSPKSPLELGEKLSPLPGPGAGDPRIWPGQSTPESDVGAGGEEEGAGSPPFSP
 PAGGGVSEGPVGGVAAGGAGGGPDRLEPEMVRMVVESVERIFRSFPRGDTGEIASLLKLNKKLARSVGH
 IFEMDDHDAQKEEERKYSVIYGRLDKRRREGKQLSLHEL TINEAAAQFCMRDNTLLRRVELFSLSRQV
 ARESTYLSSLKGSRLHSEELGGPPLKLLKQEVGEQSHNEIQQPPPGPESYAPPYRPSLEEDSASLSGESL
 DGHLQAVGSCPRLTPPPADLPLALPAHGLWSRHILQQLMDEGLRLARLVSHDRVGR LSPCVPAKPPLAE
 FEEGLLDRCPPAGPHPALVEGRRSSVKVEAEASRQ

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

Sgfl-MluI

Cloning Scheme:

Cloning sites used for ORF Shutting:



* The last codon before the Stop codon of the ORF

ACCN: NM_008668

ORF Size: 1578 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_008668.2](#), [NP_032694.2](#)
RefSeq Size: 2593 bp

RefSeq ORF: 1578 bp

Locus ID: 17937

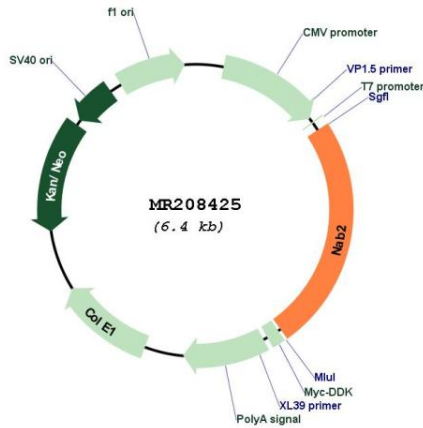
UniProt ID: [Q61127](#)

Cytogenetics: 10 74.6 cM

MW: 56.6 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 MR208425