

Product datasheet for **MG219464**

Nab2 (NM_001122895) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Nab2 (NM_001122895) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Nab2
Synonyms:	AI451907
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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ORF Nucleotide Sequence:

>MG219464 representing NM_001122895
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGCACAGAGCTCCCTCTCCACAGCGGAACAGCCACCTGGCAGAGGGGATAACACACGCCGGACCCCGC
 AACCCAGATTC AAGGCAAGTGCCCCAGCCATGGCACTGCCTCGGACACTGGGTGAGCTACAGCTGTATCG
 GGTCTGCAACGCGCAACCTCCTCTCTTACTACGAGACCTTCATCCAGCAGGGAGGAGATGATGTACAG
 CAGCTGTGTGAGGCTGGCGAGGAGGAGTTCTGGAAATCATGGCACTCGTGGGCATGGCCACCAAACCAC
 TCCATGTCCGACGTCTACAGAAGGCTCTGAGAGAATGGGCCACCAATCCAGGGCTCTTCAGCCAACCAGT
 GCCTGCTGTGCCGTCTCCAGCATCCCCTTTCAAGATCTCTGAGACAGCTGGTACCCGAAAGGGAGC
 ATGAGCAATGGGCACGGCAGCCAGGAGAAAAGGCGGCAGTGTCTGAAGCTTTAGCCCCAAGAGTCCCC
 TCGAATTGGAGAGAAGTTGTCGCCACTCCCTGGAGGACCTGGGCAGGGGATCCCCGGATCTGGCCAGG
 CCAGAGCACTCCAGAATCTGATGTTGGAGCAGGGGGAGAAGAGGAGGCCGGGTCTCCCCCTTTCTCCCCA
 CCTGCAGGGGGAGGAGTCTCTGAAGGGCTGGGGTTGGGGGGTGGCAGCTGGTGGTGCAGGGGGTGGTC
 CAGACCGCTGGAACCAGAGATGGTGCGAATGGTGGTGGAGAGTGTGGAGAGGATCTCCGGAGTTTCCC
 CAGGGGTGACACTGGAGAGATCGCATCCCTGTTGAAGCTGAATAAGAAGCTGGCGCGAGCGTGGGGCAC
 ATCTTTGAGATGGACGATCATGACGCCAGAAGGAAGAGGAGATCCGGAAGTACAGCGTCATCTACGGCC
 GCCTGGACTCCAAAAGGCGGGAGGGCAAACAGCTTAGCTTGCATGAGCTGACCATCAACGAGGCTGCTGC
 CCAGTTTGCATGAGGGACAACACTCTTTTACTGCGAAGGGTAGAACTCTTCTACTGTCCCACAAGTA
 GCCCGAGAGAGCACCTATCTTTCTCTTGAAGGGATCCAGGCTTCACTCTGAAGAATTGGGAGGCCAC
 CACTGAAGAAACTGAAACAAGAGGTTGGAGAACAGAGTCACAATGAAATCCAGCAGCCTCCTCAGGCC
 TGAGTCTATGCACCCCATACCGCCCCAGCCTAGAGGAGGACAGCGCCAGTCTGTCTGGGGAGAGCCTG
 GATGGCCACTTGCAGGAGTTCGAGGAGGGTGTGGACCCTGCCCTGCCCGGGACCTCATCCTGCTC
 TGGTGGAGGGCCGAGGAGCAGCGTTAAAGTGGAGGCAGAAGCCAGCCGGCAG

ACGCGTACGCGGCCGCTCGAG – GFP Tag – GTTTAA

Protein Sequence:

>MG219464 representing NM_001122895
 Red=Cloning site Green=Tags(s)

MHRAPSPTAEQPPGRGDNTRRTPQPRFKASAPAMALPRTLGEQLYRVLQRANLLSYETFIQQGGDDVQ
 QLCEAGEEEEFLEIMALVGMATKPLHVRRLQKALREWATNPGLFSQPVPVAVPVSSIPLFKISETAGTRKGS
 MSNGHSGPGEKAGSARFSFKSPLLEGEKLSPLPGGPGAGDPRIWPGQSTPESDVAGGEEEGAGSPPFSP
 PAGGGVSEGPVGGVAAGGAGGGPDRLEPEMVRMVVESVERIFRSFPRGDTGEIASLLKLNKKLARSVGH
 IFEMDDHDAQKEEIRKYSVIYGRLLSKRREGKQLSLHELTINEAAQFCMRDNTLLLRVELFSLSRQV
 ARESTYLSLKGSRHLHSEELGGPPLKLLKQEVGEQSHNEIQPPPGPESYAPPYRPSLEEDSASLSGESL
 DGHLQEFEEGLLDRCPPAGPHPALVEGRRSSVKVEAEASRQ

TRTRPLE – GFP Tag – V

Restriction Sites:

Sgfl-MluI

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

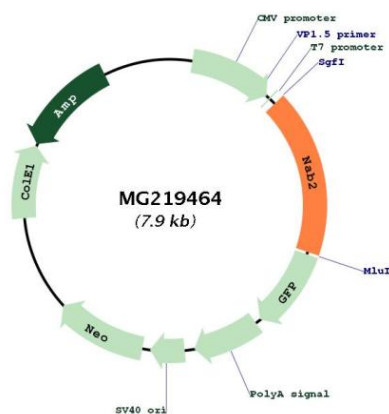
Locus ID: 17937

UniProt ID: [Q61127](#)

Cytogenetics: 10 74.6 cM

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 MG219464