

Product datasheet for **MG208425**

Nab2 (NM_008668) Mouse Tagged ORF Clone

Product data:

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

>MG208425 representing NM_008668
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGCACAGAGCTCCCTCTCCACAGCGGAACAGCCACCTGGCAGAGGGGATAACACACGCCGGACCCCGC
 AACCCAGATTCAAGGCAAGTGCCCCAGCCATGGCACTGCCTCGGACACTGGGTGAGCTACAGCTGTATCG
 GGTCTGCAACGCGCAACCTCCTCTTACTACGAGACCTTCATCCAGCAGGGAGGAGATGATGTACAG
 CAGCTGTGTGAGGCTGGCGAGGAGGAGTTCTGGAAATCATGGCACTCGTGGGCATGGCCACAAACCAC
 TCCATGTCCGACGTCTACAGAAGGCTCTGAGAGAATGGGCCACCAATCCAGGGCTCTTACGCCAACCCAGT
 GCCTGTGTGCCGTCTCCAGCATCCCCTTTCAAGATCTCTGAGACAGCTGGTACCCGGAAAGGGAGC
 ATGAGCAATGGGCACGGCAGCCAGGAGAAAAGGCGGGCAGTGTCTGAAGCTTTAGCCCCAAGAGTCCCC
 TCGAATTGGAGAGAAGTTGTCGCCACTCCCTGGAGGACCTGGGCAGGGGATCCCCGGATCTGGCCAGG
 CCAGAGCACTCCAGAATCTGATGTTGGAGCAGGGGAGAAGAGGAGGCCGGGTCTCCCCCTTCTCCCCA
 CCTGCAGGGGGAGGAGTCTCTGAAGGGCTGGGGTTGGGGGGTGGCAGCTGGTGGTGCAGGGGGTGGTC
 CAGACCGCTGGAACCAGAGATGGTGCAATGGTGGTGGAGAGTGTGGAGAGGATCTCCGGAGTTTCCC
 CAGGGGTGACACTGGAGAGATCGCATCCCTGTTGAAGCTGAATAAGAAGCTGGCGCGGAGCGTGGGGCAC
 ATCTTTGAGATGGACGATCATGACGCCAGAAGGAAGAGGAGATCCGGAAGTACAGCGTCATCTACGGCC
 GCCTGGACTCCAAAAGGCGGGAGGGCAACAGCTTAGCTTGCATGAGCTGACCATCAACGAGGCTGCTGC
 CCAGTTTGCATGAGGGACAACACTCTTTTACTGCGAAGGGTAGAACTCTTCTACTGTCCCACAAGTA
 GCCCGAGAGACACCTATCTTTCTTCTGAAGGGATCCAGGCTTCACTCTGAAGAATTGGGAGGCCAC
 CACTGAGAAAACGAAACAAGAGTTGGAGAACAGAGTCACAATGAAATCCAGCAGCCCTCCAGGCC
 TAGTCCCTATGCACCCCATACCGCCCCAGCCTAGAGGAGGACAGCGCCAGTCTGTCTGGGAGAGCCCTG
 GATGGCCACTTGCAGGCTGTGGGGTCTGCCAAGGCTGACGCCGCCCTGCTGACCTGCCCTGGCAT
 TGCCAGCGCATGGGCTATGGAGCCGCCACATCTTGCAGCAGACTGATGGATGAGGGGCTGCGGCTCGC
 CCGCTCGTCTCCATGATCGTGTGGGCCCTCAGCCCTGTGTGCTGCGAAGCCGCTCTCGCAGAG
 TTCGAGGAGGGTTGCTGGACCCTGCCCTGCCCGGGACCTCATCTGCTCTGGTGGAGGGCCGCGAGGA
 GCAGCGTTAAAGTGGAGGCAGAAGCCAGCCGGCAG

ACGCGTACGCGGCCGCTCGAG – GFP Tag – GTTTAA

Protein Sequence:

>MG208425 representing NM_008668
 Red=Cloning site Green=Tags(s)

MHRAPSPTAEQPPGRGDNTRRTPQPRFKASAPAMALPRTL GELQLYRVLQRANLLSYETF IQGGDDVQ
 QLCEAGEEEFLEIMALVGMATKPLHVRRLQKALREWATNPGLFSQPVPVAVPVSSIPLFKISETAGTRKGS
 MSNGHGSPEKAGSARFSPKSPLELGEKLSPLPGGPGAGDPRIWPGQSTPESDVGAGGEEEAAGSPPFSP
 PAGGGVSEGPVGVGVAAGGAGGGPDRLEPEMVRMVVESVERIFRSFPRGDTGEIASLLKLNKKLARSVGH
 IFEMDDHDAQKEEIRKYSVIYGRLDKRRREGKQLSLHELTINEAAAQFCMRDNTLLRRVELFSLSRQV
 ARESTYLSSLKGSRLHSEELGGPPLKLLKQEVGEQSHNEIQQPPPGPESYAPPYRPSLEEDSASLSGESL
 DGHLQAVGSCPRLTPPPADLPLALPAHGLWSRHILQQLMDEGLRLARLVSHDRVGRVSPCVPAKPLAE
 FEEGLLDRCPPAGPHPALVEGRRSSVKVEAEASRQ

TRTRPLE – GFP Tag – V

Restriction Sites:

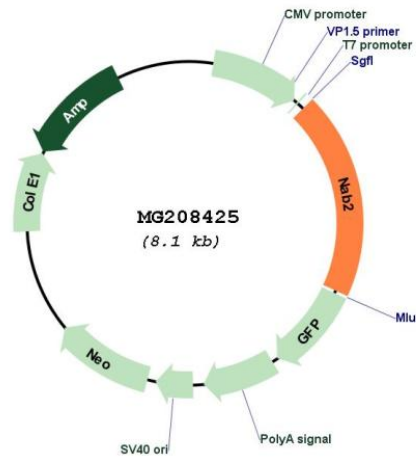
Sgfl-MluI

Cloning Scheme:

Cloning sites used for ORF Shutting:



Plasmid Map:



| | |
|-------------------------------|---|
| ACCN: | NM_008668 |
| 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: | <ol style="list-style-type: none">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: | 2539 bp |
| RefSeq ORF: | 1578 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] |