

Product datasheet for **SC112690**

NAB2 (NM_005967) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	NAB2 (NM_005967) Human Untagged Clone
Tag:	Tag Free
Symbol:	NAB2
Synonyms:	MADER
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)



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Fully Sequenced ORF: >OriGene ORF within SC112690 sequence for NM_005967 edited (data generated by NextGen Sequencing)

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ATGCACAGAGCGCCTTCCCCACAGCCGAGCAGCCGCCGGGCGGAGGGGACAGCGCCCGC
CGGACCTGCAGCCAGACTCAAGCCCAGTGCCCGAGCCATGGCACTGCCTCGGACGCTG
GGGAGCTGCAGCTGTACCGGTCTGCAGCGCCCAACCTCCTTCTACTATGAGACC
TTCATCCAGCAGGGAGGGGACGACGTGCAGCAGCTGTGTGAGGCGGGTGAGGAGGATTT
CTGGAGTCATGGCACTTGTGGCATGGCCACCAAGCCCCTCCATGTCGGGCGCTGCAG
AAGGCACTGAGAGAGTGGGCCACCAATCCAGGGCTCTTCACTCAACCAGTGCCTGCTGTT
CCCGTCTCCAGCATCCCCTCTTCAAGATCTCTGAGACTGCGGGTACCCGAAAGGGAGC
ATGAGCAATGGGCATGGCAGCCAGGGAAAAGGCAGGCAGTGCCTCGAGTTTTAGCCCC
AAGAGCCCCCTTGAACCTGGAGAGAAGCTATCACCAGTGCCTGGGGGACCTGGGGCAGGG
GACCCCGGATCTGGCCAGGCCGAGCACTCCAGAGTCCGACGTTGGGGCAGGAGAGAA
GAGGAGGTGGCTCGCCCCCTTCTCCCCCTGCAGGGGAGGAGTCCCTGAGGGGACT
GGGGCTGGGGGGTGGCAGCAGGTGGGACTGGGGTGGTCCAGACCGACTGGAGCCAGAG
ATGGTACGCATGGTGGTGAAGTGTGGAGAGGATCTTCCGGAGCTTCCAAGGGGGAT
GCTGGGGAGGTACATCCCTGCTAAAGCTGAATAAGAAGCTGGCACGGAGCGTTGGGCAC
ATCTTTGAGATGGATGATAATGACAGCCAGAAGGAAGAGGAGATCCGCAATACAGCATC
ATCTATGGCCGTTTCGACTCTAAGCGGGGGAGGGCAAGCAGCTCAGCCTGCACGAGCTC
ACCATCAACGAGGCTGCTGCCAGTTTCTGCATGAGGGACAACACTCTTATTACGGAGA
GTGGAGCTCTTCTTTGTCCCGCAAGTAGCCCGAGAGAGCACCTACTTGTCTCTCTTG
AAGGGTCCAGGCTTACCCTGAAGAACTGGGAGGCCCTCCACTGAAGAAGCTGAAACAA
GAGTTGGAGAACAGAGTCACCTGAAATCCAGCAGCCTCCCCAGGCCCTGAGTCTAT
GTACCCCATACCGCCCCAGCCTGGAGGAGGACAGCCAGCCTGTCTGGGGAGAGTCTG
GATGGACATTTGCAGGCTGTGGGTCATGTCCAAGGCTGACGCCGCCCTGCTGACCTG
CCTCTGGCATTGCCAGCCATGGGCTATGGAGCCGACACATCCTGCAGCAGACACTGATG
GACGAGGGGCTGCGGCTCGCCCGCTCGTCTCCACGACCGCGTGGGCCGCTCAGCCCC
TGTGTGCTGCGAAGCCACCTCTCGCAGAGTTCGAGGAAGGGCTGCTGGACAGATGCTCT
GCCCCAGGACCCATCCCGCTGGTGGAGGTCGCAGGAGCAGCGTGAAGTGGAGGCT
GAGGCCAGCCGGCAGTGA
    
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Clone variation with respect to NM_005967.3
1005 g=>a

5' Read Nucleotide Sequence:

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>OriGene 5' read for NM_005967 unedited
GTAATACGACTACTATAGGGCGGCCGATTTCGGCACGAGGCAGACAGAGGCGCGGAG
GCTCGGAGAGAGAAGACGTGGAGGGAGGGACAGAGCCTGGACAGCGGTGGACACGGCATC
GTGCGCGGGGAAGAGGGCAGCACGACGAGCGCCGAGCGCCGGGACCCGAGAAGGGCAG
CCCGGGTGATCTCCGGCGTCCATGCACAGAGCGCCTTCCCCACAGCCGAGCAGCCGCC
GGGCGGAGGGGACAGCGCCCGCCGACCCTGCAGCCAGACTCAAGCCCAGTGCCTCGAGC
CATGGCACTGCCTCGGACGCTGGGGGAGCTGCAGCTGTACCGGGTCTGCAGCGCCCAA
CCTCCTTTCTACTATGAGACCTTCATCCAGCAGGGAGGGGACGACGTGCAGCAGCTGTG
TGAGGCGGGTGAGGAGGATTTCTGGAGATCATGGCACTTGTGGGCATGGCCACCAAGCC
CCTCCATGTCGGCGCTGCAGAAGGCACTGAGAGAGTGGGCCACCAATCCAGGGCTCTT
CAGTCAACCAGTGCCTGCTGTTCCCGTCTCCAGCATCCCGCTCTTCAAGATCTCTGAGAC
TGCGGGTACCCGAAAGGGAGCATGAGCAATGGGCATGGCAGCCAGGGGAAAAGGCAGG
CAGTGCCCGCAGTTTTAGCCCCAAGAGCCTCCTGGAATTTGAGAGAAAGTATCACCCCT
GCCTGGGGGACCTGGGGCAGGGGACCCCGATCTGGCCAGGCCGAACCTCCANAAT
CCGAACGTTGGCGCATGAGGAATAAAGGAGGCTGGGCTTGGCCCCCTTCTCCCCCTG
GAGGGGAGGAGTCCCTGAAGGGACCGGGCTGCGGGCTGCACCAGGTGGCACTGGGGC
GGGTCAAACCGCATTGCCCCAAAACGGACACATGTGGG
    
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3' Read Nucleotide Sequence:	>OriGene 3' read for NM_005967 unedited CCCCCGCTACTAGNATCGAGTTTTTTTTTTTTTTTTTTTTTCTAAGCCATAAAATAAATTTT ATTCCAAAATAACAAAATAAATAATCTACTGTACACAATCTGAAAAGAAAGACGCTCTAA CTGCTCAAATAGGTGCTGCGGTCCAGCCCCAGCTGGAGGAGACCCTGAGTCCAACCCAG GCCTCCCGAGGGGGCCAGTGAAGGGATCCCACACCCACCGCCCTATGTAGGGCAGGGAA GAAATTGCAAAGGACTTGGGGATAGATGGGAATGGGAGGGCAAATGCAGCACTTGTTA AATTAATTAAGAAACAAACCAGAAGCACAAAAACGGGGAAGGAGGGGAGAAGGAGCA GGTCCAGTGTTCCAGGCCCAATTCTGGGGCAAATGTTGCCACTTTTAGCTGGACCT TCCCAGGGAAGTCCCCCTTTCCCCTTGTCCAACTGAGTCCAAGTCTCACACCACTGG TGCAAACCTAAAGAGAATGGGAGTGTGTTGTGTGAGGGAGGGGAAAACCCAGATGCCCT GGAGGCAGAGTCTTGCCCCCTCGCTCTGGGCAGGGGTGAGGGCACACGCACCCCTCCTT GTGTCCTCTCTCCAGGCCTTTGCTTGTATTTGCTTGAAGCCCCACAGTCTTATGCCCAT GGAGCAGGCTGGGAGGCACGAGAAGGGCACACGAAGGATCCAGGGTTGTGACCACATCTC CGGCGATGAAAAGCGTGGCGCTCTGCGGACCCACAAGTCTGACTCCCTGGGTCTGAAA ACCCATTGCAACCCTAACTGCCGCTGGGCTCAGCCCCATTTGACGCTTGTCTTGGGA CCCTCCCATCGCGGAATGGGGATCTTGGCCGGACCATTTGTTACGACCCCTTTCTTNT CACTTTGCCAGAGGTGGCCTTTAGCCCCCGTGTGAGCGGACCCGCGTCTGGGAAACA GGCGGACATCCACCCCCCTCCCGTCTGCGAG
Restriction Sites:	ECORI-NOT
ACCN:	NM_005967
Insert Size:	2540 bp
OTI Disclaimer:	Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).
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:	<u>NM_005967.2</u> , <u>NP_005958.1</u>
RefSeq Size:	2512 bp
RefSeq ORF:	1578 bp
Locus ID:	4665
UniProt ID:	<u>Q15742</u>
Cytogenetics:	12q13.3
Domains:	NCD1, NCD2

Protein Families: Transcription Factors

Gene Summary: This gene encodes a member of the family of NGFI-A binding (NAB) proteins, which function in the nucleus to repress transcription induced by some members of the EGR (early growth response) family of transactivators. NAB proteins can homo- or hetero-multimerize with other EGR or NAB proteins through a conserved N-terminal domain, and repress transcription through two partially redundant C-terminal domains. Transcriptional repression by the encoded protein is mediated in part by interactions with the nucleosome remodeling and deacetylase (NuRD) complex. Alternatively spliced transcript variants have been described, but their biological validity has not been determined. [provided by RefSeq, Jul 2008]
Transcript Variant: This variant (1) represents the longer transcript and encodes the longer isoform (1).