

Product datasheet for **SC116874**

GABPB2 (GABPB1) (NM_005254) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	GABPB2 (GABPB1) (NM_005254) Human Untagged Clone
Tag:	Tag Free
Symbol:	GABPB2
Synonyms:	BABPB2; E4TF1; E4TF1-47; E4TF1-53; E4TF1B; GABPB; GABPB-1; GABPB2; NRF2B1; NRF2B2
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL6</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>NCBI ORF sequence for NM_005254, the custom clone sequence may differ by one or more nucleotides

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ATGTCCCTGGTAGATTTGGGAAAGAAGCTTTTAGAAGCGGCACGAGCAGGTCAAGATGATGAAGTTCGTA
TTTTGATGGCAAATGGAGCTCCCTTTACTACAGACTGGCTGGAACTTCTCCACTTCATCTAGCAGCACA
GTATGGTCATTATTCCACCACAGAGGTACTGCTGCGAGCTGGTGTGAGCAGAGATGCCAGAACCAAAGTG
GACCGAACACCATTACATATGCCAGCTTCTGAGGGCCATGCCAGCATAGTAGAGTTTTACTTAAGCATG
GTGCTGATGTCAATGCAAAGGACATGTTAAAGATGACAGCTCTCCATTGGGCCACAGAACAATCATCA
AGAGGTGGTGGAACTTTAATCAAATATGGTGTGATGTACACACGCAAAGTAAATTTGTAAGAACTGCA
TTTGATATTTCAATAGACAATGGAAATGAAGATTTAGCAGAGATATTACAGATTGCTATGCAGAACCAA
TCAACACAAACCCAGAGAGTCTGACACTGTGACAATACATGCTGCAACACCACAGTTTATCATTGGACC
TGGAGGGGTGGTGAACCTAACAGGTCTGGTATCTTCAGAAAATTCATCCAAGGCAACAGATGAAACGGGT
GTATCTGCTGTTCAAGTTTGGAACTCTTCTACATCAGTATTAGCTACATTAGCTGCCTTAGCTGAAGCAT
CTGCTCCATTGTCCAATTCTTCAGAACTCCAGTAGTGGCCACAGAAGAAGTAGTTACTGCAGAATCTGT
GGATGGTGCCATTGCAAGTAGTTAGTTGAGGGGTGAGCAAGTCATCAATAGTTACAGATGGAATT
CAGCTTGGAAATTTGCACTCTATTCCAACAGTGAATGGTCAAGCCATCATTGTGACCATGCCAGATG
GACAACAAGTATTAACAGTACCAGCAACAGACATTGCTGAAGAACTGTTATAAGTGAAGAACCACCAGC
TAAGAGACAATGTATCGAAATAATTGAAAACCGGGTGAATCTGCAGAAATAGAAGAGAGAGAAGCTCTT
CAGAAAACAGCTGGATGAAGCAAATCGAGAAGCACAAAAATATCGACAGCAGCTCCTAAAGAAAGAACAGC
AAGCAGAGGCCTACAGACAGAAGTTGGAAGCTATGACTCGTCTTCAGACTAATAAAGAAGCTGTTTAA
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5' Read Nucleotide Sequence:

>OriGene 5' read for NM_005254 unedited
 NNNNNNNNNGGGGNNNNNNNNNTTNNNNNNNTTTGTTACACCCGCCGTTGNCGCA
 AAGGGCGGTAGGCGTGTACGGTGGNGAGTCTATAAAGCAGAGCTCATTTAGGTGACACT
 ATAGAATAACAAGCTACTTGTCTTTTTGACAGCGGCCGGAATTCGGCAGAGGGTGCAGC
 TGAAGCGCTTTGTGTGTAGCGGGGCCGTCAGCCCGCCGGGTACGAGGCGCCTCGGT
 CCCCACACCACCTCCTGCTGCCTTCCCCTCGCCGCTCCCGAAGCTTTCCAGATGTCCT
 GGTAGATTTGGGAAAGAAGCTTTTGAAGCGGCACGAGCAGGTCAAGATGATGAAGTTCG
 TATTTTGATGGCAAATGGAGCTCCCTTTACTACAGACTGGCTGGGAATTCTCCACTTCA
 TCTAGCAGCACAGTATGGTCATTATTCCACCACAGAGGTACTGCTGCGAGCTGGTGTGAG
 CAGAGATGCCAGAACAAAGTGGACCGAACACCATTACATATGGCAGCTTCTGAGGGCCA
 TGCCAGCATAGTAGAGTTTACTTAAGCATGGTGTGATGTCAATGCAAAGGACATGTT
 AAAGATGACAGCTCTCCATTGGGCCACAGAACACAATCATCAAGAGGTGGTGGAACTTTT
 AATCAAATATGGTGTGATGTACACACGCAAAGTAAATTTGTAAAAGTGCATTTGATAT
 TTCAATAGACAATGGAATGAAGATTTAGCAGAGATATTACAGATTGCTATGCAGAACCA
 AATCAACACAAACCCAGAGAGTCTGACACTGTGACAATACATGTGCAACACCACAGTT
 TATCATTGGACCTGNAGGGGGTGGTGAACCTAACAGATGAAACGGGTGTATCTGCTGGTC
 AGTTGGAAACTCTTACTCAGTATTAGCTACATTAGCTG

3' Read Nucleotide Sequence:

>OriGene 3' read for NM_005254 unedited
 GGAAGTCTATGTACGTGGCCGNCNANGATCGGTTTTTTTTTTTTTTTTTTTGTAGTAAA
 AAGATTTAATTGCAAAAAGAAAATAGGCCAGAGTACAGTTTTAAGGTAATTGCTTTTTT
 ATACAGTATAGATAACCTAGAGGGATTTACAGGTTAAACAGTTCATAAAGCAATAAAACA
 CTGAAAAAATAAAGCAAGAAAAAGGGTTTGAAGTAAATTTTTACCAAAAAAAAAAAGAA
 AAAGTGAACAGTCTGCCAGTGTAAATGTCCATACATTGTGGAATTCAACAATATTGTGA
 TGAGAGCAAGTCATAGCACAGACTGAGCTTTCAAAGGAAAAGTAGAAGTTACATTAG
 ACATGTCTATTGCATCACTGTAATACAAAAAGTTCCTGTTCTACATACAAAAGCAATTTT
 TTTCCGTAAGAATCATTTCTGGGGAGAAAATAGTCCATAAAATATTTGAGAAACCCATA
 TGCATTGGGTTTTCAAAAACATTATCTTAAAATCAGTGCCTTAAAGTGCCTTTCATGTGG
 AAATCATGATGGAAGGCACAGAATACAGTTTACAGTCCCCTTAAATTTTCAAAAA
 GCACAGATTTGCAGAATTGGCAAATTCAGTTATCTTGTAGGCTGCTCCTTCCGAGGAC
 ACTGTCTTCCAATAAAAAACAGCTGCCAGCTTACTTCGTTTCAATGACCTACAGAGTAAA
 GGGGTTTTGGTTTTGTTTTTTCTGGGCACTTTTATCAATTCTGTGGGAGAAATACCCAT
 GTAAGTGTGATTTTGAATATAAAAACTGCCGATTGGTCCAACAGAAATTTTAAAATA
 TTTGCTCTTTACCGGAAATACACTGGGGTTAGCTGA

Restriction Sites:

NotI-NotI

ACCN:

NM_005254

Insert Size:

2750 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:	NM_005254.4 , NP_005245.2
RefSeq Size:	2842 bp
RefSeq ORF:	1188 bp
Locus ID:	2553
UniProt ID:	Q06547
Cytogenetics:	15q21.2
Domains:	ANK
Protein Families:	Transcription Factors
Gene Summary:	<p>This gene encodes the GA-binding protein transcription factor, beta subunit. This protein forms a tetrameric complex with the alpha subunit, and stimulates transcription of target genes. The encoded protein may be involved in activation of cytochrome oxidase expression and nuclear control of mitochondrial function. The crystal structure of a similar protein in mouse has been resolved as a ternary protein complex. Multiple transcript variants encoding distinct isoforms have been identified for this gene. [provided by RefSeq, Jul 2008]</p> <p>Transcript Variant: This variant (beta 1) encodes the longest isoform (beta 1).</p>