

Product datasheet for **SC322485**

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:	Neomycin
Vector:	pCMV6-AC (PS100020)
E. coli Selection:	Ampicillin (100 ug/mL)



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Fully Sequenced ORF: >OriGene sequence for SC322485
 ATAGCGCCTGTGCAGCTGAAGCGCTTTGTGTGTAGCGGGCCGCGTCAGCCCGCCGGG
 TACGAGGCGCCTCGGGTCCCCGCACCACCTCTGCTGCCTTCCCGTCGCCGCTCCCGAAG
 CTTTTCCAGATGTCCCTGGTAGATTTGGGAAAGAAGCTTTTAGAAGCGGCACGAGCAGGT
 CAAGATGATGAAGTTCGTATTTTGTATGGCAAATGGAGTCCCTTTACTACAGACTGGCTG
 GAACTTCTCCACTTCATCTAGCAGCACAGTATGGTCATTATCCACCACAGAGTACTG
 CTGCGAGCTGGTGTGAGCAGAGATGCCAGAACCAAGTGGACCGAACACCATTACATATG
 GCAGCTTCTGAGGGCCATGCCAGCATAGTAGAGTTTTACTTAAGCATGGTGTGATGTC
 AATGCAAAGGACATGTTAAAGATGACAGCTCTCCATTGGGCCACAGAACAATCATCAA
 GAGGTGGTGAACTTTTAATCAAATATGGTGTGATGTACACACGCAAAGTAAATTTTGT
 AAAACTGCATTTGATTTCAATAGACAATGGAATGAAGATTTAGCAGAGATATTACAG
 ATTGCTATGCAGAACCAATCAACACAAACCCAGAGAGTCTGACACTGTGACAATACAT
 GCTGCAACACCACAGTTTATCATTGGACCTGGAGGGTGGTGAACCTAACAGGTCTGGTA
 TCTTCAGAAAATTCATCCAAGGCAACAGATGAAACGGGTGTATCTGCTGTTTCAGTTTGA
 AACTCTTCTACATCAGTATTAGCTACATTAGCTGCCTTAGCTGAAGCATCTGCTCCATTG
 TCCAATCTTCAGAACTCCAGTAGTGGCCACAGAAGAAGTAGTTACTGCAGAATCTGTG
 GATGGTGCCATTAGCAAGTAGTTAGTTCAGGGGGTCAGCAAGTCATCACAATAGTTACA
 GATGGAATTCAGCTTGGAAATTTGCACTCTATTCCAACAGTGGAAATGGTCAGCCCATC
 ATTGTGACCATGCCAGATGGACAACAAGTATTAACAGTACCAGCAACAGACATTGCTGAA
 GAACTGTTATAAGTGAAGAACCACCAGCTAAGAGACAATGTATCGAAATAATTGAAAAC
 CGGGTGGAAATCTGCAGAAATAGAAGAGAGAGAAGCTCTTCAGAAACAGCTGGATGAAGCA
 AATCGAGAAGCACAAAAATATCGACAGCAGCTCCTAAAGAAAGAACAGGAAGCAGAGGCC
 TACAGACAGAAGTTGGAAGCTATGACTCGTCTTCAGACTAATAAAGAAGCTGTTTAATTG
 AAATGAACATGTAGTTTGATTTTACTTTTGGTCAAGAAAGAATACAATCTTGAACGTAC
 ACAACAAAGGTACAGCCATGGGAATACAGAATGATAGAAGAGACTACAGATGGATAATTG
 GACTTAAGCCATGAGCTCTGAGTCTTGTAAACATAAAACTTTACTTTAGAAGTTGTGAAA
 TGTATTTAAAAGTGAATTCTGTAATAGTTTTTTTTTTTACAGTTCCAAATGAGTTGATA
 AAGATTGTTGAAGAGATCCAAAACCAGAATAAGCCACTGTTTTTGTGAATCTTTTTGAT
 TTTAGTACAAACCTTAATTTCTCAGAAACGGAACAGTTTTAAGGGTGATCGTTGTTGGTT
 AGGCCAAATGTTGTGTAATAATTATGGTGGACTGATGCTGGAATTACTCTGTAGGTATA
 AACCTCTGTATGAAGAGAAGATTTCTCCAGGAAATCTTGTACAGCTTTAAGTTGTGTC
 AGATTCTCTGAAAACATTTTTTAGAAAGCAAAATTTTTATATTTGTTCAATTTACGCTAT
 ACCCAAGTAGATTTACATGTATATGAAGCAAAATTTTTAAAAATTTCTGTTTGTACATA
 TTCTGCATGTTTTATAATTTCAAATGCATCACTTACATAGGTATTTCTCCACAGAAAT
 GATGAAAGTGACCAGAAAAA

Restriction Sites: Please inquire

ACCN: NM_005254

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).

OTI Annotation: This TrueClone is provided through our Custom Cloning Process that includes sub-cloning into OriGene's pCMV6 vector and full sequencing to provide a non-variant match to the expected reference without frameshifts, and is delivered as lyophilized plasmid DNA.

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_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: 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]
Transcript Variant: This variant (beta 1) encodes the longest isoform (beta 1).