

Product datasheet for **SC318822**

Fos B (FOSB) (NM_001114171) Human Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: Fos B (FOSB) (NM_001114171) Human Untagged Clone
Tag: Tag Free
Symbol: Fos B
Synonyms: AP-1; G0S3; GOS3; GOSB
Mammalian Cell Selection: None
Vector: pCMV6-XL4
E. coli Selection: Ampicillin (100 ug/mL)

Fully Sequenced ORF: >OriGene sequence for NM_001114171 edited
 ATGTTTCAGGCTTTCCCGGAGACTACGACTCCGGCTCCCGGTGCAGCTCCTCACCCCTCT
 GCCGAGTCTCAATATCTGTCTTCGGTGGACTCCTTCGGCAGTCCACCCACCGCCGGCC
 TCCCAGGAGTGCCCGGTCTCGGGGAAATGCCCGTTCCCTTCGTGCCACGGTCACCGCG
 ATCACAACCAGCCAGGACCTCCAGTGGCTTGTGCAACCCACCCTCATCTCTTCCATGGCC
 CAGTCCCAGGGGAGCCACTGGCCTCCCAGCCCCGGTCGTGACCCCTACGACATGCCG
 GGAACCAGCTACTCCACACCAGGCATGAGTGGCTACAGCAGTGGCGGAGCGAGTGGCAGT
 GGTGGGCCTTCCACCAGCGAACTACCAGTGGGCCTGGGCCTGCCCGCCAGCCGAGCC
 CGGCCTAGGAGACCCCGAGAGGAGACGGAGACAGATCAGTTGGAGGAAGAAAAAGCAGAG
 CTGGAGTCGGAGATCGCCGAGTCCAAAAGGAGAAGGAACGTCTGGAGTTTGTGCTGGT
 GCCCACAACCGGGCTGCAAGATCCCCTACGAAGAGGGGCCCGGGCCGGCCCGTGGCG
 GAGGTGAGAGATTTGCCGGGCTCAGCACCGGCTAAGGAAGATGGCTTCAGCTGGCTGCT
 CCGCCCCCGCCACCACCGCCCTGCCCTTCCAGACCAGCCAAGACGCACCCCCAACCTG
 ACGGCTTCTCTTTACACACAGTGAAGTTCAAGTCTCGGCGACCCCTTCCCCGTTGTT
 AACCTTCGTACTTCTTTCGTTTGTCTCACCTGCCCGGAGGTCTCCGCGTTCCCGCGC
 GCCAACGCACCAGCGGCAGTGACCAGCCTCCGATCCCCTGAACTCGCCCTCCCTCCTC
 GCTCTGTGAACCTTTAGACACAAAAACAAACACATGGGGGAGAGAGACTTGGAA
 GAGGAGGAGGAGGAGGAGAAGGAGGAGAGAGAGGGGAAGAGACAAAGTGGGTGTGTGGCC
 TCCCTGGCTCCTCCGTCTGACCCTCTGCGGCCACTGCGCCACTGCCATCGGACAGGAGGA
 TTCTTTGTGTTTTGTCTGCCTTGTGTTTCTGTGCCCGGCGAGCCGGAGAGCTGGTGA
 CTTTGGGACAGGGGTGGGAAGGGGATGGACACCCCCAGCTGACTGTTGGCTCTCTGAC
 GTCAACCAAGCTCTGGGGATGGGTGGGAGGGGGGCGGGTGACGCCACCTTCGGGCAG
 TCCTGTGTGAGGATGAAGGGACGGGGTGGGAGGTAGGCTGTGGGTGGGCTGGAGTCT
 CTCCAGAGAGGCTCAACAAGGAAAAATGCCACTCCCTACCCAATGTCTCCACACCCACC
 CTTTTTTGGGGTGCCAGGTTGGTTTCCCTGCACTCCCGACCTTAGCTATTGATCCC
 ACATTTCCATGGTGTGAGATCCTTTACTCTGGGCAGAAGTGAAGCCCCCTT : AAAGG
 GAATTCGATGCCCCCTAGAATAATCTCATCCCCCACCAGCTCTTTTGAATGTGAA



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CGTCCTTCCTTGACTGTCTAGCCACTCCCTCCCAGAAAACTGGCTCTGATTGGAATTC
TGGCCTCCTAAGGCTCCCCACCCGAAATCAGCCCCAGCCTTGTCTGATGACAGTGT
TATCCCAAGACCTGCCCCCTGCCAGCCGACCCTCCTGGCCTTCTCGTTGGGCCGCTCT
GATTTTCAGGCAGCAGGGGCTGCTGTGATGCCGTCTGCTGGAGTGATTTATACTGTGAAA
TGAGTTGGCCAGATTGTGGGGTGACAGTGGGTGGGGCAGCACACCTCTGGGGGATAATG
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TCAACAGTGAGTTAGACTCAAGGGGGTGACAGAACCAGAAAGGGGGTGACAGTCTCCAT
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CCCGACCAATCCCAGCCTAGGACGCCAACTTCTCCACCCCTTGGCCCTCACATCCTC
TCCAGGAAGGCAGTGAGGGGCTGTGACATTTTTCCGGAGAAGATTTAGAGCTGAGGCTT
TGGTACCCCCAAACCCCAATATTTTTGGACTGGCAGACTCAAGGGGCTGGAATCTCATG
ATTCCATGCCGAGTCCGCCATCCCTGACCATGGTTTTGGCTCTCCACCCCGCGTTC
CCTGCGTTCATCTCATGAGGATTTCTTATGAGGCAATTTATATTTTTAATATCGGG
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GGCGTCTCCCATCCTGATCCCAGACCCATTCTTAGCTATTTATCCCTTCTCGTGTTC
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CCCTTTTCTGATCGTCTCGGCCCTCTGATTGTTCCCGATGGTCTCTCTCCCTCTGTCTT
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CAATGCTCCAGCTGTGCTGACTCTGGGTTGTTGGGGACATGAGATTTATTTTTTGT
GAGTGAGAGTGAGCAGGGCTTGCTCTGCCAACCACAATTCAATGAATCCCCGACCCC
CCTACCCCATGCTGTAATTGTGGTTCTCTTTTTGTATTTTGATCTGACCCCGGGGGCT
GGGACAGATTGGCGATGGGCCGTCCTCTCCCTTGGTTCTGCACTGTTGCCAATAAAA
AGCTCTTAAAAACGCAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAA
AAAAAAAAAAAAAAAAAAAAAAAAAAAA
    
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Restriction Sites:

Please inquire

ACCN:

NM_001114171

Insert Size:

3100 bp

OTI Disclaimer:

Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in E. coli are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA can be purchased from OriGene with batch-specific, full-sequence verification at a reduced cost. Please contact our customer care team at custsupport@origene.com or by calling 301.340.3188 option 3 for pricing and delivery.

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 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:	<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_001114171.1</u> , <u>NP_001107643.1</u>
RefSeq Size:	3668 bp
RefSeq ORF:	909 bp
Locus ID:	2354
UniProt ID:	<u>P53539</u>
Cytogenetics:	19q13.32
Protein Families:	Druggable Genome, Transcription Factors
Gene Summary:	<p>The Fos gene family consists of 4 members: FOS, FOSB, FOSL1, and FOSL2. These genes encode leucine zipper proteins that can dimerize with proteins of the JUN family, thereby forming the transcription factor complex AP-1. As such, the FOS proteins have been implicated as regulators of cell proliferation, differentiation, and transformation. Alternatively spliced transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Jul 2008]</p> <p>Transcript Variant: This variant (2) lacks an inframe coding exon, as compared to variant 1. The resulting isoform (2) lacks an internal segment, as compared to isoform 1.</p>