

Product datasheet for **MC203181**

Fos (NM_010234) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Fos (NM_010234) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Fos
Synonyms:	c-fos; cFos; D12Rfj1
Mammalian Cell Selection:	Neomycin
Vector:	PCMV6-Kan/Neo (PCMV6KN)
E. coli Selection:	Kanamycin (25 ug/mL)



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Fully Sequenced ORF: >BC029814
 CAGCGAGCAACTGAGAAGACTGGATAGAGCCGGCGGTTCCGCGAACGAGCAGTGACCGCGCTCCCACCCA
 GCTCTGCTCTGCAGCTCCCACCACTGTCTACCCCTGGACCCCTTGCCGGGCTTTCCCAAACCTTCGACCA
 TGATGTTCTCGGGTTTCAACGCCGACTACGAGGCGTCATCCTCCCGCTGCAGTAGCGCTCCCCGGCCGG
 GGACAGCCTTTCTACTACCATTCCCAGCCGACTCCTTCTCCAGCATGGGCTCTCTGTCAACACACAG
 GACTTTTGGCAGATCTGTCCGTCTAGTGCCAACTTTATCCCCACGGTGACAGCCATCTCCACCAGCC
 CAGACCTGCAGTGGCTGGTGCAGCCCACTCTGGTCTCCTCCGTGGCCCCATCGCAGACCAGAGCGCCCA
 TCCTTACGGACTCCCCACCCAGTCTGCTGGGGCTTACGCCAGAGCGGGAATGGTGAAGACCGTGTCAAGG
 GGCAGAGCGCAGAGCATCGGCAGAAAGGGGCAAAGTAGAGCAGCTATCTCCTGAAGAGGAAGAAACGGA
 GAATCCGAAGGGAACGGAATAAGATGGTGCAGCCAAGTGCCGGAATCGGAGGAGGGAGCTGACAGATAC
 ACTCCAAGCGGAGACAGATCAACTTGAAGATGAGAAGTCTGCGTTGCAGACTGAGATTGCCAATCTGCTG
 AAAGAGAAGGAAAAACTGGAGTTTATTTTGGCAGCCACCACCTGCCTGCAAGATCCCCGATGACCTTG
 GCTTCCCAGAGGAGATGTCTGTGGCCTCCCTGGATTTGACTGGAGGTCTGCCTGAGGCTTCCACCCAGA
 GTCTGAGGAGGCCTTACCCTGCCCTTCTCAACGACCCTGAGCCCAAGCCATCCTTGGAGCCAGTCAAG
 AGCATCAGCAACGTGGAGCTGAAGGCAGAACCCCTTGGATGACTTCTTGTTCGGCATCATCTAGGCCCA
 GTGGCTCAGAGACTCCCGCTCTGTGCCAGATGTGGACCTGTCCGGTTCCTTCTATGCAGCAGACTGGGA
 GCCTCTGCACAGCAATCCTTGGGGATGGGGCCATGGTCAAGAGCTGGAGCCCTGTGTACTCCCGTG
 GTCACCTGTAACCGGGCTGCACTACTTACACGTCTTCTTTGTCTTACCTACCCTGAAGCTGACTCCT
 TCCCAAGCTGTGCCGCTGCCACCAGAAAGGGCAGCAGCAGCAACGAGCCCTCCTCCGACTCCCTGAGCTC
 ACCCACGCTGCTGGCCCTGTGAGCAGTCAGAGAAGGCAAGGCAGCCGGCATCCAGACGTGCCACTGCCCC
 AGCTGGTGCAATACAGAGAGGAGAAACAGTCTTCCCTCGAAGGTTCCCGTCGACCTAGGGAGGACCTTA
 CCTGTTTCGTGAAACACACCAGGCTGTGGCCCTCAAGGACTTGAAGCATCCACATCTGGCCTCCAGTCTC
 CACTCTCCAGAGATGTAGCAAAAACAAAACAAAACAAAACAAAACAAAACAAAACAAAACAAAACAAAAC
 AGTGACACCTGAGAGCTGGTAGTTAGTAGAGCATGTGAGTCAAGGCCTGGTCTGTGTCTCTTTCTCTTT
 CTCTTAGTTTTCTCATAGCACTAACTAATCTGTTGGGTTCAATTATTGGAATTAACCTGGTGTGGATTG
 TATCTAGTGCAGCTGATTTTAAACAATACCTACTGTGTTCTGGCAATAGCGTGTCCAATTAGAAACGAC
 CAATATTAACAAAGAAAAGATAGGACTTTATTTTCCAGTAGATAGAAATCAATAGCTATATCCATGTAC
 TGTAGTCTTTCAGCGTCAATGTTTATTGTCATGTTACTGATCATGCATTGTGAGGTTGGTCTGAATGTT
 TGACATTAACAGTTTTCCATGAAAACGTTTTTATTGTGTTTTCAATTTATTTATTAAGATGGATTCTCAG
 ATATTTATATTTTATTTTATTTTCTACCCTGAGGCTTTTCGACATGTGAAAGTGAATTTGAATGA
 AAAATTTAAGCATTGTTTGCTTATTGTTCCAAGACATTGTCAATAAAGCATTAAAGTTGAAAAA AAAAAA

Restriction Sites: RsrII-NotI

ACCN: NM_010234

Insert Size: 1143 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:

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: [BC029814](#), [AAH29814](#)

RefSeq Size: 2107 bp

RefSeq ORF: 1143 bp

Locus ID: 14281

UniProt ID: [P01101](#)

Cytogenetics: 12 39.7 cM

Gene Summary: Nuclear phosphoprotein which forms a tight but non-covalently linked complex with the JUN/AP-1 transcription factor. On TGF-beta activation, forms a multimeric SMAD3/SMAD4/JUN/FOS complex, at the AP1/SMAD-binding site to regulate TGF-beta-mediated signaling (By similarity). Has a critical function in regulating the development of cells destined to form and maintain the skeleton. It is thought to have an important role in signal transduction, cell proliferation and differentiation. In growing cells, activates phospholipid synthesis, possibly by activating CDS1 and PI4K2A. This activity requires Tyrosine phosphorylation and association with the endoplasmic reticulum.[UniProtKB/Swiss-Prot Function]