

Product datasheet for **MC200948**

Tfap2a (NM_011547) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Tfap2a (NM_011547) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Tfap2a
Synonyms:	A; AP; AP-2; Ap-2 (a); Ap2; AP2alpha; Ap2tf; Tcfa; Tcfap2a
Mammalian Cell Selection:	Neomycin
Vector:	PCMV6-Kan/Neo (PCMV6KN)
E. coli Selection:	Kanamycin (25 ug/mL)



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Fully Sequenced ORF: >BC018226 sequence for NM_011547
 GCCGATTTGCACAGGAAGAGTGGTTCTAATGTTTTATTTTATTTGATGCATGTACGACACCGCATGGAGAGTC
 GCAGGAGCTCATGGGTCTGCGGTTTGGCTCACTCCAGAAGGGGTTGTGCATCCCCATCCGAATCTGTGT
 TGTTGTCCACGTTGCACCTGGGAAACCTTACAGTCCAAACGCCCGGATGAATAGTCAGTCCGATTAGCT
 TCATACAAACCGAGGAAAATCATTTAACCCCCGGATCTGTCGAGTAACCTCTTCAGGCCCGCATTTC
 GCTAACCCAGAGAGTAGCTCCGCTGGGGTGCAGGCGCAGAGGGGCAAATCCGATCACGCCGATCCATGA
 AAATGCTTTGAAAACGACGGATAATATCAAGTACGAAGACTGCGAGGACCGTCAGCAGCGCACCCAGCAA
 CGGGACGGCAAGGTTGCCCCAGCTGGGCACTGTAGGTCAATCTCCCTACACCAGCGCCCCCGCTGTCC
 CACACCCCTAATGCCGACTTCCAGCCTCCCTACTTCCCCCGCCCTACCAGCCTATCTACCCCCAGTCCG
 AAGATCCTTACTCCCACGTCAACGACCCCTACAGCCTGAATCCTCTGCACGCCAGCCGACGCCGACGCA
 CCCGGGCTGGCCCGGCCAGAGCCAGAGCCAGGAATCTGGGCTCTTACACACACCCGGGGCTTACCCAC
 CAACTGTGCGGCCTGGACCCTCGCAGGGACTATCGGCGGCACGAGGACCTCTTGCACGGCCCGCAGGGC
 TCGGCTCTGGACTCGGGACCTCCCGATCCACTCCTTACCTCACGCCATCGAGGACGTCCCGCAGTGA
 AGACCCGGGTATTAACATCCCAGATCAAAGTGAATTAAGAAAGGCCCGTGTCCCTGTCCAAGTCCAAC
 AGCAATGTGTCTCCGCCATCCCTATTAACAAGGACAACCTCTTCCGGTGGCGTGGTGAACCCCAACGAAG
 TCTTCTGTTCAGTTCCGGGTCCGCTGTCTCCTCAGCTCCACCTCGAAGTACAAGTACAGGTGCGGTGGCGGA
 AGTACAGCGGCGCCTCTACCGCCCGAGTGTCTTAACGCGTCCGCTCTGGGCGGAGTACTGCGGAGAGCG
 AAGTCTAAGAATGGAGGGAGATCTTTAAGAGAAAACTGGACAAGATAGGATTGAATCTGCCAGCAGGGA
 GACGTAAGAGTGCCAACGTTACCCTCCTCACGTCACTAGTGAAGGAGAAGCCGTCCACCTAGCCAGGGA
 CTTTGGGTACGTGTGCGAAACTGAATTTCTGCCAAAGCAGTAGCAGAATTTCTCAACCGACAACATTCC
 GATCCCAATGAGCAAGTGGCAAGAAAAACATGCTCCTGGCCACAAAACAGATCTGCAAAGAGTTCACTG
 ACCTGTGGCTCAGGACCGATCTCCCTGGGAACTCGCGGCCAATCCTATCTGGAGCCTGGCATCCA
 GAGTGTGTTGACCCACTTCAACCTCATCTCCATGGCTTCGGCAGCCCGCGGTGTGTGCAGCGGTTACG
 GCCTGCGAGAATCTCTACCGAGGCCCTCAAGGCCATGGACAAAATGTACCTCAGCAACAACCCCAACA
 GCCACACGGACAACAGCGCCAAAAGCAGTGACAAAAGAAGAGAAACACAGAAAGTGAAGGCTCTCTCCCGC
 CCCGCCCCCGCCGCTCACCGGCCCGCTCCCCCACTCGCCCTCCCCACCCGGCAGGTGACAGCTC
 CGGGACCAGCCACTCCTACTGCTGCTACTCTGCGTTGCCGCGCCGCTTCTGCCCCGGAGTCTCC
 GGATTGCTCTCTGACTGCCAGTGGGGCAGCCGCTGCCTACTCAGCGCCTTGCTCAACTCCCCATCAG
 CACCAACACCCCTTTACCCTCGTGTGGAGCCTAAGAGAACAGAACAGGTGTAAGCCAGCAAAGAAAA
 GTTCTGTGCGGTTGTGAACCTTTTTTTTTTAAAAATCAAATCCACAACAACATTAATAAATTTTTTTTAA
 AAAGGACGTTAAAAAAAAAAAAAAAAA

Restriction Sites: RsrII-NotI

ACCN: NM_011547

Insert Size: 1314 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](#)

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>BC018226</u> , <u>AAH18226</u>
RefSeq Size:	2056 bp
RefSeq ORF:	1314 bp
Locus ID:	21418
UniProt ID:	<u>P34056</u>
Cytogenetics:	13 20.01 cM
Gene Summary:	<p>This gene is a member of the activator protein 2 (AP-2) transcription factor family. The protein encoded by this gene can act as both an activator and repressor of gene transcription, and plays an important role in early embryogenesis, specifically in cranial development. This protein forms both homodimers and heterodimers, and binds to a GC-rich consensus sequence found in some promoters and enhancers. Disruption of this gene causes perinatal death, with neural tube, craniofacial, and limb mesenchyme defects. Alternative splicing results in multiple transcript variants that encode multiple protein isoforms. [provided by RefSeq, Sep 2014]</p> <p>Transcript Variant: This variant (1a) represents the shortest transcript and encodes the longer isoform (1, PMID: 7750631). Both variants 1a and 1b encode the same isoform (1).</p>