

Product datasheet for **MC227696**

Tfap2a (NM_001301674) Mouse Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: Tfap2a (NM_001301674) Mouse Untagged Clone
Tag: Tag Free
Symbol: Tfap2a
Synonyms: A; AP; AP-2; Ap-2 (a); Ap2; AP2alpha; Ap2tf; Tcfa; Tcfap2a
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
Fully Sequenced ORF: >MC227696 representing NM_001301674
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**GCGATCGC**

ATGCTTTGAAACTGACGGATAATATCAAGTACGAAGACTGCGAGGACCGTCACGACGGCACCAGCAACG
 GGACGGCAGGTTGCCAGCTGGGCACTGTAGGTCAATCTCCCTACACCAGCGCCCCGCGCTGTCCCA
 CACCCCTAATGCCGACTTCCAGCCTCCCTACTTCCCCCGCCCTACCAGCCTATCTACCCCACTCGCAA
 GATCCTTACTCCACGTCAACGACCCCTACAGCCTGAATCCTCTGCACGCCAGCCGAGCCGAGCCGAGCACC
 CGGGCTGGCCCGGTGAGAGGCAGAGCCAGGAATCTGGGCTTTACACACACACCGGGGCTTACCCACCA
 ACTGTCGGGCTGGACCCCTCGCAGGGACTATCGGCGGCACGAGGACCTTTGCACGGCCCGCAGGGGCTC
 GGCTCTGGGCTCGGGACCTCCCGATCCACTCCTTACCTACGCCATCGAGGACGTCCCGCACGTAGAAG
 ACCCGGTATTAACATCCAGATCAAACCTGTAATTAAGAAAGGCCCGTGTCCCTGTCCAAGTCCAACAG
 CAATGCTGTCTCCGCATCCCTATTAACAAGGACAACCTCTTCGGTGGCGTGGTAAACCCCAACGAAGTC
 TTCTGTTCAAGTCCGGGTCGCTGTGCTCCTCAGCTCCACCTCGAAGTACAAGGTACGGTGGCGGAAG
 TACAGCGGCGCCTCTCACGCGCGAGTGTCTTAACGCGTCTCCTGGGCGGAGTACTGCGGAGCGGAA
 GTCTAAGAATGGAGGGAGATCTTTAAGAGAAAACTGGACAAGATAGGATTGAATCTGCCAGAGGGAGA
 CGTAAAGCTGCCAACGTTACCCTCCTCAGTCACTAGTGAAGGAGAAGCCGTCCACCTAGCCAGGGACT
 TTGGGTACGTGTGCGAAACTGAATTTCTGCCAAAGCAGTAGCAGAATTTCTCAACCGACAACATTCGA
 TCCCAATGAGCAAGTGGCAAGAAAAACATGCTCCTGGCCACAAAACAGATCTGCAAAGAGTTCACTGAC
 CTGCTGGCTCAGGACCGATCTCCCTGGGGAACCGCGGCCAATCCTATCTGGAGCCTGGCATCCAGA
 GTTGCTGACCCACTTCAACCTCATCTCCATGGCTTCGGCAGCCCGCGGTGTGTGCAGCGGTTACGGC
 CCTGCAGAACTATCTACCGAGGCCCTCAAGGCCATGGACAAAATGTACCTCAGCAACAACCCCAACAGC
 CACACGGACAACAGCGCCAAAAGCAGTGACAAAAGAAGAGAAACACAGAAAG**TGA**

AG**CGGACCG**ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCC
 TGGATTACAAGGATGACGACGATAAGGTTAA



[View online >](#)

Restriction Sites:	Sgfl-RsrII
ACCN:	NM_001301674
Insert Size:	1314 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).
OTI Annotation:	Clone contains native stop codon, and expresses the complete ORF without any c-terminal tag.
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_001301674.1 , NP_001288603.1
RefSeq Size:	3479 bp
RefSeq ORF:	1320 bp
Locus ID:	21418
UniProt ID:	P34056
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 (1b) differs in the 5' UTR compared to variant 1a. Both variants 1a and 1b encode the same isoform (1).</p>