

Product datasheet for **MR206962**

Tfap2a (NM_011547) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Tfap2a (NM_011547) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Tfap2a
Synonyms:	A; AP; AP-2; Ap-2 (a); Ap2; AP2alpha; Ap2tf; Tcfa; Tcfap2a
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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ORF Nucleotide Sequence:

>MR206962 representing NM_011547
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**GCGATCGCC**

ATGCTTTGAAACTGACGGATAATCAAGTACGAAGACTGCGAGGACCGTCACGACGGCACCAGCAACG
 GGACGGCACGGTTGCCCCAGCTGGGCACTGTAGGTCAATCTTCTACACCAGCGCCCGCGCTGTCCCA
 CACCCCTAATGCCGACTTCCAGCCTCCCTACTTCCCCCGCCCTACCAGCCTATCTACCCCACTCGCAA
 GATCCTTACTCCACGTCAACGACCCCTACAGCCTGAATCCTCTGCACGCCAGCCGAGCCGAGCACC
 CGGGCTGGCCGGTCCAGAGCCAGAGCCAGGAATCTGGGCTTTACACACACACCGGGGCTTACCCACCA
 ACTGTCGGGCTGGACCCTCGCAGGGACTATCGCGGCACGAGGACCTTTGCACGGCCCGCAGGGGCTC
 GGCTCTGGGCTCGGGACCTCCCGATCCACTCCTTACCTCACGCCATCGAGGACGTCCCGCAGTAGAAG
 ACCCGGATTAACATCCAGATCAAATGTAATTAAGAAAGGCCCGTGTCCCTGTCCAAGTCCAACAG
 CAATGTGTCTCCGCCATCCCTATTAACAAGGACAACCTTTCGGTGGCGTGGTAAACCCCAACGAAGTC
 TTCTGTTCAGTTCGGGTCGCCTGTGCCTCCTCAGCTCCACCTCGAAGTACAAGTACCGGTGGCGGAAG
 TACAGCGGCGCCTCTCACCGCCGAGTGTCTTAACGCGTCGCTCCTGGGCGGAGTACTGCGGAGAGCGAA
 GTCTAAGAATGGAGGGAGATCTTAAGAGAAAACTGGACAAGATAGGATTGAATCTGCCAGCAGGGAGA
 CGTAAAGCTGCCAACGTTACCCTCCTCAGTCACTAGTGAAGGAGAAGCCGTCCACCTAGCCAGGGACT
 TTGGGTACGTGTGCGAACTGAATTTCTGCCAAAGCAGTAGCAGAATTTCTCAACCGACAACATTCCGA
 TCCCAATGAGCAAGTGGCAAGAAAAACATGCTCCTGGCCACAAAACAGATCTGCAAAGATTACTGAC
 CTGCTGGCTCAGGACCGATCTCCCTGGGAACTCGCGGCCAATCCTATCCTGGAGCCTGGCATCCAGA
 GTTCTTGACCCACTTCAACCTCATCTCCCATGGCTTCGGCAGCCCGGGTGTGTGCAGCGGTTACGGC
 CCTGCAGAACTATCTCACCGAGGCCCTCAAGGCCATGGACAAAATGTACCTCAGCAACAACCCCAACAGC
 CACACGGACAACAGCGCCAAAAGCAGTGACAAAAGAGAAAACACAGAAAG

AG**CGGACCG**ACGCGTACGCGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCC
 TGGATTACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>MR206962 representing NM_011547
 Red=Cloning site Green=Tags(s)

MLWKLTDNIKYEDCEDRHDGTSNGTARLPQLGTVGQSSYTSAPPLSHTPNADFQPPYFPPPYQPIYPQSQ
 DPYSHVNDPYSLNPLHAQPQPQHPGWPGQRQSQESGLLHHRGLPHQLSGLDPRRDYRRHEDLLHGPHGL
 GSGLGDLPIHSLPHAIEDVPHVEDPGINIPDQTVIKKGPVSLSKSNSNAVSAIPINKDNLFGGVVNPNEV
 FCSVPGRLSLLSSTSKYKVTVAEVQRRLSPECLNASLLGGVLRRAKSKNGGRSLREKLDKIGLNLPAGR
 RKAANVTLLTSLVEGEAVHLARDFGYVCETEFPAKAVAEFLNRQHS DPNEQVARKNMLLATKQICKFTD
 LLAQDRSPLGNSRPNPILEPGIQSCLTHFNLI SHGFGSPAVCAAVTALQNYL TEALKAMDKMYLSNNPNS
 HTDNSAKSSDKEEKHRK

SGP**TRTRRLEQKLI SEEDLAANDILDYKDDDDK**V

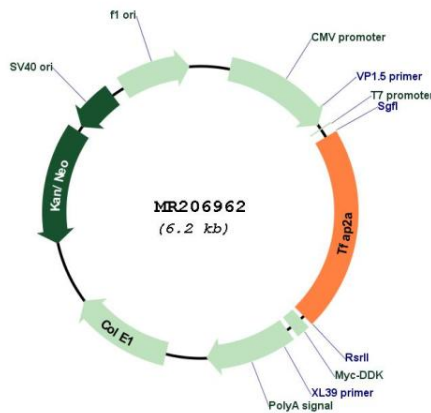
Restriction Sites:

SgfI-RsrII

RefSeq Size: 2863 bp
 RefSeq ORF: 1320 bp
 Locus ID: 21418
 UniProt ID: [P34056](#)
 Cytogenetics: 13 20.01 cM
 MW: 48.4 kDa

Gene Summary: 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]

Product images:



Circular map for MR206962