

Product datasheet for **RC208089**

TFAP2E (NM_178548) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	TFAP2E (NM_178548) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	TFAP2E
Synonyms:	AP2E
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



[View online »](#)

ORF Nucleotide Sequence:

>RC208089 representing NM_178548
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGC**

ATGCTGGTGCACACCTACTCCGCCATGGAGCGCCCGACGGGCTGGGAGCAGCTGCCGGCGGGGCCCGCC
 TGTCTCTCTGCCCCAGGCGGCTACGGGCCGGCGCCCGCTCTGCCACACGCCGGCGCCACAGCTGC
 CGCCGAATTCAGCGCCCTACTTCCGCGCGCCCTACCCGACGCCACCGTGCCCTACGGTCAGGCGCCC
 GACGCCGCGCAGCCTTTCCACCTGGCAGGGGACCATATGGCGGCTGGCGCCCTGGCGCAGCCGC
 AGCCTCTCAGGCCGCTGGGCCGCGCCCGCGCAGCCGCCGCGCCACGAGGAGCCTCCCGGCTGCT
 GGCACCGCCCGCGCCCTGGGCTTGACCCGCGCGTGACTATGCCACTGCCGTGCCCGGCTCCTG
 CACGGCTGGCGCAGCGCGCACGGCTGGCAGACGCACCTCTCGGCTTCCGGGGTGGCGCGGCC
 CCGGTCTGGAGGACCTGCAGGAATGGACGAGCCGGAATGAGCCTCTAGACCAGTCCGTGATCAAGAA
 AGTGCCCATCCCCTCAAAGCCAGCAGCCTCTAGCCCTCTCTTGCCAAAGACAGCCTGGTGGCGGC
 ATCACAATCCTGGTGAAGTCTTCTGCTCGTGCCCGCGCGCTTCACTGCTCAGCTCAACGTCCAAGT
 ACAAGGTGACGGTGGGGGAGGTGACGCGGCACTCTCGCTCCCGAGTGCCTCAACGCCTCCCTCTGGG
 GGGTGTCTCCGAGGGCCAAGTCAAAAATGGGGCCGGTGTTCGCGGAACGGTTAGAGAAGATTGGG
 CTCAACCTGCCAGCTGGCCGTCGCAAGGCCCAATGTGACGCTGCTGACTTCGCTAGTGAAGGAGAGG
 CCGTGACCTGGCCGAGACTTCGGTTACGTCTGTGAGACGAGTTCCAGCCAAGGCAGCTGCCAGTA
 CCTGTGCCGACAGCAGCTGACCCGGGGAGCTGCACAGCCGAAGAGCATGCTGCTGGTGCCAAGCAG
 ATCTGCAAGGAGTTTGCAGACTTGATGGCTCAGGACCGCTCACCCTGGCAACAGCCGCCAGCACTCA
 TCCTGGAGCCCGAGTACAGAGCTGCTTGACACACTTTAGCCTCATCACCCTGGCTTGGTGGGCTGC
 CATCTGTGCTGCCCTCACTGCCTTCCAGAATAATTTGCTGGAGTCACTCAAGGGGCTGGACAAGATGTTT
 CTAAGCAGTGTGGCAGTGGGCATGGTGAACCAAGGCTTCGGAAGGATGCCAAGCATCGAAA

ACGCGTACGCGGCGGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>RC208089 representing NM_178548
 Red=Cloning site Green=Tags(s)

MLVHTYSAMERPDGLGAAAGGARLSSLPQAAYGPAPPLCHTPAATAAAEFQPPYFPPYPQPPLPYGQAP
 DAAAFPHLAGDPYGGGLAPLAQPQPQAAWAAPRAAARAHEEPPGLLAPPARALGLDPRRDYATAVPRLL
 HGLADGAHGLADAPLGLPGLAAPGLEDLQAMDEPGMSLLDQSVIKKVPISKASSLSALSLAKDSL VGG
 ITNPGEVFCVPGRLSLLSSTSKYKVTVEVQRRISPPECLNASLLGGVLRRAKSKNGGRCLRERLEKIG
 LNLPAARRKAANVTLLTSLVEGEAVHLARDFGYVCETEFPAKAAAEYLCRQHADPGELHSRKSMLLAQKQ
 ICEFADLMAQDRSPLGNSRPALILEPGVQSCLTHFSLITHGFGGPAICAALTAFQNYLLESKGLDKMF
 LSSVSGSHGETKASEKDAKHK

TRTRPLE**QKL**ISEEDLAANDILDYKDDDDKV

Chromatograms:

https://cdn.origene.com/chromatograms/mk8104_a03.zip

Restriction Sites:

SgfI-MluI

Cloning Scheme:


ACCN: NM_178548

ORF Size: 1326 bp

OTI Disclaimer: 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 clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.

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.

Note: Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.

RefSeq: [NM_178548.4](#)

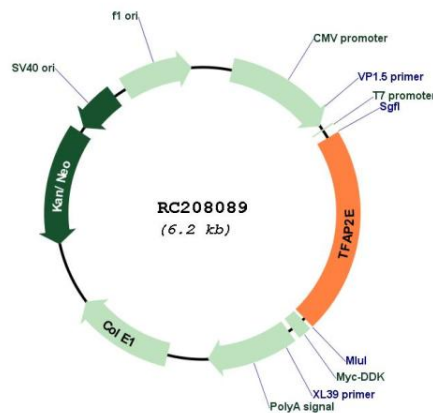
RefSeq Size: 2189 bp

RefSeq ORF: 1329 bp

Locus ID: 339488

UniProt ID:	<u>Q6VUC0</u>
Cytogenetics:	1p34.3
Protein Families:	Transcription Factors
MW:	46.2 kDa
Gene Summary:	Sequence-specific DNA-binding protein that interacts with inducible viral and cellular enhancer elements to regulate transcription of selected genes. AP-2 factors bind to the consensus sequence 5'-GCCNNNGGC-3' and activate genes involved in a large spectrum of important biological functions including proper eye, face, body wall, limb and neural tube development. They also suppress a number of genes including MCAM/MUC18, C/EBP alpha and MYC. AP-2-epsilon may play a role in the development of the CNS and in cartilage differentiation (By similarity).[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for RC208089