

Product datasheet for **SC321858**

TFAP2E (NM_178548) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	TFAP2E (NM_178548) Human Untagged Clone
Tag:	Tag Free
Symbol:	TFAP2E
Synonyms:	AP2E
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC (PS100020)
E. coli Selection:	Ampicillin (100 ug/mL)



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Fully Sequenced ORF: >OriGene sequence for NM_178548.2
 GTGCCCCGTCCGTCTGCCTCCATGGACCCGCCCGGGAACGGCCACCGCTGAGGACCCAC
 GCCCACCTAGGATCCCGGCTGGGTGCGACCCAGCTACCGCACCGTGACCTCCGCGGGCTGT
 GCGGGCTCCCGGCGCCTCTGCCCGCAGCGCTCGCCGTGCGGCTAGGGCTCCGCGCCGCC
 ACGCCTCGCGCCCGGCACTACCGCCCCATGCTGGTGCACACCTACTCCGCCATGGAGCG
 CCCCAGCGGGCTGGGAGCAGTGGCGGGGGCCCGCTGTCTCTGCCCCAGCGCGC
 CTACGGGCGGGCGCCCCGCTCTGCCACACGCGCGGCCACAGCTGCCGCCGAATTCCA
 GCCGCCCTACTTCCCGCGCCCTACCGCAGCCACCGCTGCCCTACGGTCAGGCGCCGA
 CGCCGCCGAGCCTTTCCCCACCTGGCAGGGGACCCATATGGCGGCTGGCGCCCCCTGGC
 GCAGCCGAGCCTCCTCAGGCGCGCTGGGCGCGCCCGCGCAGCCGCCCGCGCCACGA
 GGAGCCTCCCGGCTGCTGGCACCGCCCGCGCGCCCTGGGCTTGACCCGCGCGGTGA
 CTATGCCACTGCCGTGCCCGGCTCCTGCACGGCTGGCGAGCGCGCGCACGGCTGGC
 AGACGCACCTCTCGGCTTCCGGGGCTGGCGCGCGCCCGGCTTGAGGACCTGCAGGC
 AATGGACGAGCCGGAATGAGCCTCCTAGACCAGTCCGTGATCAAGAAAGTGCCCATCCC
 CTCAAAGCCAGCAGCCTCTCAGCCCTCCTTGCCAAAGACAGCCTGGTGGCGGCAT
 CACAAATCCTGGTGAGGTCTTCTGCTCCGTGCCCGGCGGCTTTACTGCTCAGCTCAAC
 GTCCAAGTACAAGGTGACGGTGGGGGAGGTGCAGCGGCGACTCTCGCCTCCCGAGTGCCT
 CAACGCCTCCCTCCTGGGGGGTGTCTCCGCGAGGGCAAGTCAAAAAATGGGGGCCGGTG
 TTTGCGGGAACGGTTAGAGAAGATTGGGCTCAACCTGCCAGTGGCCGTGCAAGGCCGC
 CAATGTGACGCTGCTGACTTCGCTAGTGAAGGAGAGGCGCTGCACCTGGCCCGAGACTT
 CGGTTACGTCTGTGAGACGGAGTCCCAGCCAAGGAGCTGCCGAGTACCTGTGCCGACA
 GCACGCTGACCCGGGGAGCTGCACAGCCGCAAGAGCATGCTGCTGGCTGCCAAGCAGAT
 CTGCAAGGAGTTTGACACTTGATGGCTCAGGACCGCTACCGCTGGGCAACAGCCGCC
 AGCACTCATCTGGAGCCCGGAGTACAGAGCTGCTTGACACACTTAGCCTCATACCCA
 TGGCTTCGGTGGGCTGCCATCTGTGCTGCCCTACTGCCTTCCAGAACTATTTGCTGGA
 GTCACTCAAGGGGCTGGACAAGATGTTTCTAAGCAGTGTGGGAGTGGGCATGGTGAAAC
 CAAGGCTTCGGAAGGATGCCAAGCATCGAAATAACTGCTTCTCCACCCCATCCCTA
 AGGGGCTCCAGGCCCTGAAATAGGGACTTAGCTTGGGGGTGGGCTGGAAGGACTGA
 AAGGTGGGATTAGAGTCAGGCCAGAAAGAGAATTCATCCAGAGATCCAGAGTTGGGG
 ATCTGGCTTGAGTAAGGAGGGTGGCCTCTCTGTGGTGGTGTGTTGTTAAGTTAAGGGC
 CCAGGTATTTGTCTCATGTGTGCAATTTTCTGACCTTTGATGGTTGAGAAGGGTTTGAC
 AGAAAATTGACATGAAAAGATCTGGCTCATGGGGCAGAGCCCTTCCATTAGCGTGGCTG
 GGTGGCCGTGGGTGCTTCTAGAGGCCAAAGCCTTTGTGTTTTTACTGGTGGCAGGAGGA
 AAATTGATAAATCAGAGGTGCTACTGAGGAGTTGGTGGCCCTCATTCCAGAATCTCTAC
 CCCCAGAAAAGGGGTGCTGGAAGGAGGCCCCAGTGGACTTTTGTACCCTTCTACTCTC
 AGAGAGAAGTGGGAGGAGGGTCTCAAGGAACAAAGAGATAAAGCACAAATCGCAGA
 ACTTGAATCCAGGCTGCTGCTCATCATAGTCTGTTGCTGTCTGCTCTATTTATTTATGT
 ATGTTGTAATTAATTTGAAATTTTAAAAAAAAAAAAAAAAAAAA

Restriction Sites: Please inquire

ACCN: NM_178548

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: This TrueClone is provided through our Custom Cloning Process that includes sub-cloning into OriGene's pCMV6 vector and full sequencing to provide a non-variant match to the expected reference without frameshifts, and is delivered as lyophilized plasmid DNA.

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:	<u>NM_178548.2, NP_848643.1</u>
RefSeq Size:	2201 bp
RefSeq ORF:	1305 bp
Locus ID:	339488
UniProt ID:	<u>Q6VUC0</u>
Cytogenetics:	1p34.3
Protein Families:	Transcription Factors
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]