

Product datasheet for SC327862

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-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>SC327862 representing NM_178548. Blue=Insert sequence Red=Cloning site Green=Tag(s)

GCTCGTTTAGTGAACCGTCAGAATTTTGAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTG
 GATCCGGTACCGAGGAGATCTGCCGCC**CGCATCGCC**
 ATGCTGGTGCACACCTACTCCGCCATGGAGCGCCCCGACGGGCTGGGAGCAGCTGCCGGCGGGGCCCGC
 CTGTCTCTCTGCCCCAGGCGGCCTACGGGCGGGCGCCCCGCTCTGCCACACGCCGGCGGCCACAGCT
 GCCGCCGAATTCAGCGGCCCTACTTCCCGCGGCCCTACCCGACGCCACCGCTGCCCTACGGTCAGGCG
 CCCGACGCCGGCGCAGCCTTTCCCACTGGCAGGGGACCCATATGGCGGCTGGCGCCCTGGCGCAG
 CCGCAGCCTCCTAGGCCGCTGGCGCGCGCCCCGCGCAGCGCCCGCGCCACAGGAGCCTCCCGGC
 CTGCTGGCACCGCCCGCGCGCCTGGGCTTGACCCGCGCCGTGACTATGCCACTGCCGTGCCCGG
 CTCTGCACGGCCTGGCCGACGGCGCGCACGGCCTGGCAGACGCACCTCTCGGCCCTCCGGGGCTGGCG
 GCGGCCCCCGGTCTGGAGGACCTGCAGGCAATGGACGAGCCGGGAATGAGCCTCCTAGACCAGTCCGTG
 ATCAAGAAAGTGCCCATCCCCTCCAAAGCCAGCAGCCTCTCAGCCCTCTCCTTGCCAAAGACAGCCTG
 GTGGGCGGCATCACAAATCCTGGTGAGGTCTTCTGCTCCGTGCCCGGCCGGCTTTCACTGCTCAGCTCA
 ACGTCCAAGTACAAGGTACGGTGGGGGAGGTGCAGCGGCGACTCTCGCTCCCGAGTGCCCTCAACGCC
 TCCCTCCTGGGGGTGTCTCCGACGGGCAAGTCCAAAATGGGGGCCGGTGTTCGCGGAACGGTTA
 GAGAAGATTGGGCTCAACCTGCCAGCTGGCCGTGCAAGGCCCAATGTGACGCTGCTGACTTCGCTA
 GTGGAAGGAGAGCGCGTGCACCTGGCCCGAGACTTCGGTTACGTCTGTGAGACGAGTTCACAGCCAAG
 GCAGCTGCCGAGTACCTGTGCCGACAGCACGTGACCCGGGGGAGCTGCACAGCCCAAGAGCATGCTG
 CTGGCTGCCAAGCAGATCTGCAAGGAGTTTGACAGCTTGATGGCTCAGGACCGCTCACCGCTGGGCAAC
 AGCCGCCAGCACTCATCCTGGAGCCGGAGTACAGAGCTGCTTGACACACTTTAGCCTCATACCCAT
 GGCTTCGGTGGGCTGCCATCTGTGCTGCCCTCACTGCCTCCAGAACTATTTGCTGGAGTCACTCAAG
 GGGCTGGACAAGATGTTTCTAAGCAGTGTGGGCAGTGGGCATGGTGAAACCAAGGCTTCGGAGAAGGAT
 GCCAAGCATCGGAA**TAA**
ACGGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGAT
 TACAAGGATGACGACGATAAGGTTTAAACGGCCGGC


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Restriction Sites:	Sgfl-MluI
ACCN:	NM_178548
Insert Size:	1329 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:	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:	NM_178548.3
RefSeq Size:	2189 bp
RefSeq ORF:	1329 bp
Locus ID:	339488
UniProt ID:	Q6VUC0
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]