

Product datasheet for **SC311381**

AP2 gamma (TFAP2C) (NM_003222) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	AP2 gamma (TFAP2C) (NM_003222) Human Untagged Clone
Tag:	Tag Free
Symbol:	AP2 gamma
Synonyms:	AP2-GAMMA; ERF1; hAP-2g; TFAP2G
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>SC311381 representing NM_003222. Blue=Insert sequence Red=Cloning site Green=Tag(s)

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GCTCGTTTAGTGAACCGTCAGAATTTGTAAACGACTACTATAGGGCGCCGGGAATTCGTCGACTG
GATCCGGTACCGAGGAGATCTGCCGCCGCGATCGCC
ATGTTGTGGAAAATAACCGATAATGTCAAGTACGAAGAGGACTGCGAGGATCGCCACGACGGGAGCAGC
AATGGGAATCCGCGGGTCCCCACCTCTCTCCGCGGGCAGCACCTCTACAGCCCCGCGCCACCCCTC
TCCACACTGGAGTCGCCGAATATCAGCCGCCACCCTACTTTCCCTCCCTACCAGCAGCTGGCCTAC
TCCAGTCGGCCGACCCCTACTCGCATCTGGGGAAAGCGTACGCCGCCCATCAACCCCTGCACCAG
CCGGCGCCACAGGCAGCCAGCAGCAGGCTGGCCCGGCCAGAGCCAGGAGGGAGCGGGGCTGCC
TCGCACCACGGGGCCCGCCGCGCTACTGCCACCTCTCCGGCTGGAGGCGGGCGGGTGGAGCGCC
CGCAGGGATGCCTACCGCGCTCCGACCTGCTGCTGCCACGCACAGCCCTGGATGCCGCGGGCTG
GCCGAGAACCTGGGGCTCCACGACATGCCTCACCAGATGGACGAGGTGCAGAATGTCGACGACCAGCAC
CTGTTGCTGCACGATCAGACAGTCATTGCAAAGGTCCCATTTCCATGACCAAGAACCCTCTGAACCTC
CCCTGTCAGAAGGAGCTGGTGGGGCCGTAATGAACCCACTGAGGTCTTCTGCTCAGTCCCTGGAAGA
TTGTCGCTCCTCAGCTCTACGTCTAAATACAAAGTGACAGTGGCTGAAGTACAGAGGCGACTGTCCCA
CCTGAATGCTTAAATGCCTCGTTACTGGGAGGTGTTCTCAGAAGAGCCAAATCGAAAAATGGAGGCCGG
TCCTTGGGGGAGAAGTTGGACAAGATTGGTTGAATCTCCGGCCGGGAGGCGGAAAGCCGCTCATGTG
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GCCGAATTTCTAGTAAACCAGTGGCAGAATATTTAACCCAGACCTCATCTTGAGGACGAAATGAGATG
GCAGCTAGGAAGAACATGCTATTGGCGGCCAGCAACTGTGTAAGAATTACAGAACTTCTCAGCCAA
GACCGGACACCCCATGGGACCAGCAGGCTCGCCCACTTGGAGACGAACATACAGAACTGCTGTCT
CATTTAGCCTGATTACCCACGGGTTTGGCAGCCAGGCCATCTGTGCCGCGGTGTCTGCCCTGCAGAAC
TACATCAAAGAAGCCCTGATTGTCATAGACAAATCCTACATGAACCTGGAGACCAGAGTCCAGCTGAT
TCTAACAAAACCTGGAGAAAAATGGAGAAACACAGGAAATAA
ACGGGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGAT
TACAAGGATGACGACGATAAGGTTTAAACGGCCGCGC
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Restriction Sites:	Sgfl-Mlul
ACCN:	NM_003222
Insert Size:	1353 bp
OTI Disclaimer:	<p>Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in E. coli are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA can be purchased from OriGene with batch-specific, full-sequence verification at a reduced cost. Please contact our customer care team at custsupport@origene.com or by calling 301.340.3188 option 3 for pricing and delivery.</p> <p>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</p>
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:	<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_003222.3
RefSeq Size:	2895 bp
RefSeq ORF:	1353 bp
Locus ID:	7022
UniProt ID:	Q92754
Cytogenetics:	20q13.31
Domains:	TF_AP-2
Protein Families:	Druggable Genome, Transcription Factors
MW:	49.2 kDa

Gene Summary:

The protein encoded by this gene is a sequence-specific DNA-binding transcription factor involved in the activation of several developmental genes. The encoded protein can act as either a homodimer or heterodimer with other family members and is induced during retinoic acid-mediated differentiation. It plays a role in the development of the eyes, face, body wall, limbs, and neural tube. [provided by RefSeq, Jul 2008]