

Product datasheet for **SC317755**

AP2 beta (TFAP2B) (NM_003221) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	AP2 beta (TFAP2B) (NM_003221) Human Untagged Clone
Tag:	Tag Free
Symbol:	TFAP2B
Synonyms:	AP-2B; AP-2beta; AP2-B; PDA2
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>NCBI ORF sequence for NM_003221, the custom clone sequence may differ by one or more nucleotides

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ATGCACTCACCTCCTAGAGACCAGGCTGCCATCATGCTCTGGAAGCTTGTGGAGAATGTC
AAGTACGAAGATATCTATGAGGACCGGCACGATGGTGTCCCGAGCCACAGCTCGCGGCTC
TCCCAGCTGGGCTCGGTGTCCCAAGGACCCTACTCGAGCGCCCCGCCGCTGTCCACACC
CCGTGCTCGGACTTCCAGCCGCCCTACTTCCCACCCCTACCAGCCGCTCCCCTACCAC
CAGAGCCAGGACCCTACTCCCACGTCAACGACCCTACTCCCTGAACCCACTGCACCAG
CCCCAGCAACATCCCTGGGGCAACGGCAGCGCAAGAAGTGGTTGGAAGCCGGCTCT
CTCCTGCCCCAGCCTCGGGCCGCTTGGCCAGCTCTCGGGCCTTGACCCCGGAGGGAC
TACCCTCGGTCCGCCGGCGGACGTGCTGCTGCATTGCGGCACCACGGCCTGGACGCG
GGCATGGGTGACAGCCTCTCGCTGCACGGCCTCGGCCATCCCGAATGGAAGACGTCCAG
TCAGTTGAAGATGCCAATAACAGCGGCATGAATCTATTGGACCAGTCTGTCAATAAAAAA
GTTCCAGTTCCTCCAAATCGGTGACTTCTCTAATGATGAATAAAGACGGCTTCCTGGGA
GGCATGTCTGTCAACACCGGCGAGGTGTTTTGCTCCGTCACAGCCGTTTGTCTCTGCTC
AGTTCAACTTCGAAGTACAAAGTAACTGTGGGAGAAGTTCAGAGACGGCTGTCCGCCCT
GAATGCCTCAATGCATCTCTCCTCGGCGGAGTCTCAGAAGAGCCAAATCGAAAAATGGG
GGGAGATCTTTGCGAGAAAGGCTAGAAAAAATCGGTTTGAATTTACCCGCGGGCAGGCGC
AAAGCAGCAAATGTCACGTTACTCACCTCCCTGGTGAAGGAGAAGCTGTTCACTTAGCT
AGGGATTTTGGGTACATTTGCGAAACGGAGTTTCCCGCCAAAGCCGTCTCTGAGTATTTG
AACCGGCAGCACACAGACCCGAGTGACCTGCACTCCCGAAAGAATATGCTGTTGGCCACC
AAGCAACTTTGTAAGAATTTACGGATCTACTGGCGCAGGACCGGACACCGATAGGGAAC
AGCCGACCCAGCCCATCCTGGAGCCGGGGATCCAGAGCTGCCTCACGCACTTCAGCCTC
ATCACGCACGGCTTCGGCGCCCCGGCCATTTGCGCCGCGCTCACGGCCCTGCAGAACTAT
CTCACCGAGGCGCTCAAAGGCATGGACAAGATGTTCTTGAACAACACCACCACTAACAGG
CACACGCTGTTGGGAAGGCCAGGTAGTAAAACGGCGACAAGGAGGAGAAACACAGGAAA

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Restriction Sites: Please inquire



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ACCN:	NM_003221
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:	<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:	<u>NM_003221.3</u> , <u>NP_003212.2</u>
RefSeq Size:	5770 bp
RefSeq ORF:	1383 bp
Locus ID:	7021
UniProt ID:	<u>Q92481</u>
Cytogenetics:	6p12.3
Domains:	TF_AP-2
Protein Families:	Druggable Genome, Transcription Factors
Gene Summary:	This gene encodes a member of the AP-2 family of transcription factors. AP-2 proteins form homo- or hetero-dimers with other AP-2 family members and bind specific DNA sequences. They are thought to stimulate cell proliferation and suppress terminal differentiation of specific cell types during embryonic development. Specific AP-2 family members differ in their expression patterns and binding affinity for different promoters. This protein functions as both a transcriptional activator and repressor. Mutations in this gene result in autosomal dominant Char syndrome, suggesting that this gene functions in the differentiation of neural crest cell derivatives. [provided by RefSeq, Jul 2008]