

Product datasheet for **SC123796**

AP4E1 (BC000772) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	AP4E1 (BC000772) Human Untagged Clone
Tag:	Tag Free
Symbol:	AP4E1
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)



[View online »](#)

Fully Sequenced ORF: >OriGene sequence for BC000772 edited
 GGCACGAGGCCATGTTAGTCAGGCTGGTCTTGAACCTCTGGTATCAAGTGATCTGCCCGC
 CTGAGCCTCCCAAAGTGTGGGATTACAGGCGTGAGCCACTGCGCCCGGCCCTGTCCCTC
 CCCCTTTTACAGATGAGGCAGCTGAGGCCAGAGTCACAGGGCTGGTGAGGAACACAGCC
 TGGATCAGAGCCCAGGAAGCCTGGGTCAAGGCTCACGTCTTTGAGTGAGGGGCTCTGCC
 TCCTCCATCCTGTTCTTTGTAGTGTATCTTTTATGACCTACATGGAGACATTCAAATC
 CGGGATGACACAGAGCTTGGAGGGAGAGACGTGTGAGGAGACAGAAACAGTGTCCCTGG
 AGATATCAGCAGGCAAGTGTGCTGAGCTCACACTGAGAGCCAGAGGGGATTCTGAAAACT
 AGACTGATGATTAATAACTGCTTAAAACTCAGCAGCCTCCCCATGCTCCCGGGATTAATG
 ATGACGGCTCACATTGACTACACACGTTTATACCAGGCGCCATGTTCTTTGCCGAAACTC
 CCGCTCAGAGCCTGGATGATCTGCCCTCACCTCTGCCCTCGTCCCATCCACTCTCCCC
 TCCTTGCTCTGTTCCAGCCACACTGGCCTCTTGCTGTTCCCTCACACTCTCCACGTCCAGG
 CACACCCAGGGCCTTTGCACTGGCTCTACTGCTGCCTCCAGTGAGCTCCCTCCAGATC
 TTCTTGGGTGACGCTCATGAGGACTCGCTCTAATGCCACCCCTCAAACAGGTCTCCTG
 GCCTTCAGTAGCCAGGCTGTCATTCTGTGTCAGTGTACTCTGTTCCACATCCCCTGTCC
 CCCATGGGAAACAGGTGCCACCGTCTTAGTCACAAGGCACTTGTAACTGCTGGCACAC
 AGGGCATGCTCCATCCTGAACATAAGACGTGTGGATCTTGTTTATTCTCACGTGACCCC
 AATAAGTAGATACTATAAGGCCCCCACTTTTCAAGTGTGGCCCAAGTTGGGCCCTGCTGAA
 CCCTGTTACCTCCTCAACAATCACCCGTACACACTGCTTCTCTGCCTGGAACCCACCC
 CCCAACCCGCACCCCACTCTAGGCCACTCTGCCACCCATGTTAATTTGCTGGGGCA
 GCCGCAACAACTACCACACACTGAGTGGCTTAACTGCAGAAATGTATCATCTCACAGT
 TGCGGAGGCCAGAAGTCCAAGTTCAGGCGTCAACAGGGTGGTCCCTCCAAGGGCGGTG
 AGGGAGAACCTGTTCTGGCCTCCCTCTTAGCAGCCGGTGGGTGTGAGCAGTAGATTCA
 TCACCCCGTCTCTACCTCCTCTTCGCATGATGTTCTCCCTGCATCTGTGCCACATTTT
 CTCTTTCTGCAAGGACGCAATCTAACGGGATTAGGGGTCTACCCTAATGACCTATTTT
 CACTTGATTGCCTCTGTAAGACTCTGTCTCAAATGAGGTACATTTGGAGATGCTGGG
 GCTTAGGACTTCAATGTAGCTTTTTGTGGGGCCCAAGTTCAACCCATAACACCACTCCTT
 GGGTATCAACACAGACACGCCTTTCTTGCAGAAGTTGTCTGAACCCACACACAGGCTCA
 GCCACCCCCAGCACCTGTCCAGGGCACAGCGACCGCCACTCCCTTGGCAACTTGCTTC
 CTCTCTGTACCCCATGGGGCCAGAACAGAGACATCCTGAACCTCACCCAGACCACAC
 ACTTAGTAGGTGCTCAGAAGATGTACCTGGAGAGACAACAACCTATCCAACAACAGCTT
 TCCAGTGATGAAATCCAGAGATGGCTTGATATGTGTGTGTTGGTGTAAACATATGTAA
 ACTAAGCATATAAAATATCAGCAGTAGACACAAAAAAAAAAAAAAAAAAAAAAAAAAAAA
 AAAAAAAAAAAAAAAAAAAAAAAAAAAAAA

5' Read Nucleotide Sequence: >OriGene 5' read for BC000772 unedited
 NGGGATAGCGTCAAATTTGTATACGACTCATATAGGCGGCCGNAATTCGCACGAGGCC
 ATGTTAGTCAGGCTGGTCTTGAACCTCTGGTATCAAGTGATCTGCCCGCCTGAGCCTCCC
 AAATGCTGGGATTACAGGCGTGAGCCACTGCGCCCGGCCCTGTCTCCCTTTTACAG
 ATGAGGCAGCTGAGGCCAGAGTCACAGGGCTGGTGAGGAACACAGCCTGGATCAGAGCC
 CAGGAAGCCTGGGTCAAGGCTCACGTCTTTGAGTGAGGGGCTCTGCCCTCCTCCATCCT
 GTTCTTTGTAGTGTATCTTTTATGACCTACATGGAGACATTCAAATCCGGGGATGACAC
 AGAGCTTGGAGGGAGAGACGTGTGAGGAGACAGAAACAGTGTCCCTGGAGATATCAGCAG
 GCAAGTGTGCTGAGCTCACACTGAGAGCCAGAGGGGATTCTGAAAAGTACTGATGATT
 AAAACTGCTTAAAACTCAGCAGCCTCCCCATGCTCCCGGGATTAATGATGCAGGCTCAC
 ATTGACTACACACGTTTATACCAGGCGCCATGTTCTTTGCCGAACTCCCGCTCAGAGCC
 TGGATGATCTGCCCTCACCTCTGCCCTCGTCCCATCCACTCTCCCTCCTTGCTGTGT
 TCCAGCCACACTGGCCTCTTGCTGTTCCCTCACACTCTCCAGTCCAGGCACACCCAGGG
 CCTTTGCACTGGCTCTACTGCTGCCTCCAGTGAGCTCCCTCCAGATCTTCTTGGGTGCA
 GCTCATGAGGACTCGCTCTAATGCCACCCCTCAAACAGGTCTCCTGGCCTTCAAGTAGC
 CCAGCTGTATTCTGTGCTACTGTACTCTGTTCCACATCCCGTGTCCC

Restriction Sites: Please inquire

ACCN:	BC000772
Insert Size:	1945 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).
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:	BC000772.1 , AAH00772.1
RefSeq Size:	1945 bp
Locus ID:	23431
Cytogenetics:	15q21.2
Protein Pathways:	Lysosome
Gene Summary:	This gene encodes a member of the adaptor complexes large subunit protein family. These proteins are components of the heterotetrameric adaptor protein complexes, which play important roles in the secretory and endocytic pathways by mediating vesicle formation and sorting of integral membrane proteins. The encoded protein is a large subunit of adaptor protein complex-4, which is associated with both clathrin- and nonclathrin-coated vesicles. Disruption of this gene may be associated with cerebral palsy. Alternatively spliced transcript variants encoding multiple isoforms have been observed for this gene. [provided by RefSeq, Nov 2011]