

Product datasheet for **SC303918**

AP4E1 (NM_007347) Human Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: AP4E1 (NM_007347) Human Untagged Clone
Tag: Tag Free
Symbol: AP4E1
Synonyms: CPSQ4; SPG51; STUT1
Mammalian Cell Selection: None
Vector: pCMV6-XL5
E. coli Selection: Ampicillin (100 ug/mL)

Fully Sequenced ORF: >OriGene sequence for NM_007347 edited
GGCAGCGGCGGCCGGGCATGAAGCCGGGCGGCTACGGGATCGCGGGCGGCGGCGGCATCG
CGGGCGGCGGCGGCGGATGAGCGACATAGTGGAGAAGACGCTGACGGCGCTGCCGGGACTC
TTTCTGCAGAACCAGCCGGTGGTGGGCCCGCGCCGCAAGGCGTCTTCTCCTCGAGG
CTGGGCAGCCTTGTCCGCGGCATCACAGCCCTCACCTCCAAGCACGAAGAAGAAAAATTA
ATCCAGCAGGAACTGAGTAGTCTGAAAGCGACTGTTTCTGCTCCTACTACAACACTGAAA
ATGATGAAGGAATGTATGGTGAGACTTATATATTGTGAAATGCTTGGATATGATGCTTCC
TTTGGCTATATTCATGCAATCAAGTTAGCCCAACAAGGAAACCTTTAGAAAAAAGAGTA
GGTTATTTGGCTGTTTCTTATTCTACATGAAAGTCATGAATTATTGCTTCTCCTTG
AATACAGTTGTAAGGATCTGCAGAGCACTAACCTAGTAGAAGTGTGTATGGCACTGACT
GTTGTTAGCCAGATTTTCCCTGCGAAAATGATTCCAGCTGTTCTTCCATTATAGAAAGAT
AACTTCAACATTCTAAGGAGATTGTACGAAGAAAAGCTGTTCTGGCATTATACAAATTC
CATCTCATTGCTCCTAATCAAGTACAACATATTATATTAAGTTTCGAAAGCACTTTGT
GACAGAGATGTTGGGGTCATGGCTGCCTCCTTGCATATATATCTTAGAATGATTAAGGAG
AATTCTCTGGATATAAAGACTTGACTGGGAGTTTGTAAACATTTTGAAGCAAGTAGTT
GGAGGAAAGCTCCCAGTAGAATCAATTACCACAGTGTGCCAGCACCATGGTTACAAATT
CAGCTCTTGAGAATACTGGGACTTCTAGGAAAAGATGATCAAAGGACAAGTGAATTAATG
TATGATGTTCTTGATGAATCCTTACGAAGAGCTGAGTTAAATCACAATGTCACATATGCT
ATTTTGTGTTGAATGTGTGCATACAGTCTATTCTATTTATCCTAAATCGGAATTACTTGAG
AAGGCTGCCAAGTGCATTGGAAAATTTGTTCTGTACCTAAAATAAATCTAAAATATTTA
GGACTGAAGGCTCTTACCTATGTTATCCAACAGGATCCTACTCTGGCTCTTCAACACCAG
ATGACAATAATTGAATGTTTAGATCATCCTGATCCCATTATTAAGAGAGACTCTGGAA
CTTCTTTACAGAATTAATGCACAGAATATAACAGTTATTGTCCAGAAAATGCTTGAA
TATTTACATCAGAGCAAAGAAGAGTATGTCATCGTCAATTTGGTCGGCAAAAATAGCAGAG
CTGGCTGAGAAAATGCTCCTGATAATGCATGGTTTATTAGACAATGAATGCTGTGTTT
TCAGTAGGAGGAGATGTAATGCATCCTGATATTCCAATAACTTTCTGAGACTACTAGCG
GAAGGTTTTGATGATGAAACAGAAGATCAGCAATTAAGACTCTATGCAGTTCAGTCTTAT



[View online »](#)

CTCACTTTACTGGATATGGAAAATGTGTTCTATCCACAGAGATTTCTTCAAGTTATGAGT
 TGGGTATTAGGGGAATATTCTACCTCTTAGATAAGGAAACGCCAGAGGAAGTTATAGCT
 AAGCTCTACAAGTTACTTATGAATGACTCTGTGTCTTCAGAAACAAAAGCCTGGTTAATT
 GCTGCTGTGACCAAAATGACATCTCAGGCGCACTTCTAATACAGTTGAGAGATTAATC
 CATGAATTTACCATATCTTTGGATACTTGTATGAGACAACATGCATTTGAATTAACAT
 TTGCATGAGAATGTGGAACCTTATGAAGAGCTTGCTTCCAGTTGACAGGAGTTGTGAAGAC
 TTGGTGGTAGATGCTTTTATCTTTTCTGGATGGTTTTGTGGCTGAAGGACTCAGTCAG
 GGTGCAGCGCCTTACAAACCTCCCATCAACGCCAGGAGGAAAAGCTTTCTCAGGAAAAA
 GTTCTCAATTTTGAACCATATGGACTCTCCTTTTCTTCTATCTGGCTTCACTGGACGACAG
 TCTCCTGCTGGCATTCTCTTGGTTTCTAGATGTATCTGGGAATAGTCTGAGACAGGACTG
 AAAGAGACAAATAGCTTGAAGCTGGAAGGTATAAAGAAATTTGGGGGAAAGAAGGCTAT
 CTTCCCAAGAAGGAAAGCAAACTGGTGTGAAAGTGGAGCTCTGCCTGTTCTCAAGAG
 AGTATAATGGAGAATGTAGATCAAGCTATAACTAAAAGGATCAATCTCAAGTTCTTACC
 CAATCTAAAGAGGAGAAAAGAAAAGCAGCTGCTGGCATCATCATTATTTGTTGGTCTAGGA
 TCAGAAAGTACAATCAACCTGCTGGGAAAAGCAGATACTGTCTCTACAAGTTCAGAAGG
 AAATCAAAAGTCAAAAGAAGCTAAAAGTGGCGAAAACAACAGTACTCATAATATGACCTGT
 TCTTCCTTTAGTTCTTTGTCAAATGTGGCATATGAAGATGATTATTATTCGAATACTTTG
 CACGATACAGGAGACAAGGAATTAAGAAAATTTCTCTCACTTCAGAACTTTTGGATTCT
 GAGTCACTCACAGAACTGCCCTTGGTTGAGAAAATCTCATATTGTAGTCTGTCTACACCT
 TCATTGTTTGCTAATAACAACATGGAAAATTTTACCCTCCTCAATCTACTGCAGCCTCA
 GTTGCCAAAGGAAAGCTCTTAGCTTCATCTTTTGGAAAGAACTACTGAATACATACAC
 TCAAATGCTATGGAAGTCTGTAATAATGAACTATATCAGTGTCTTATAAAAATTTGG
 AAAGATGATTGTTTATTGATGGTCTGGTCTGAGTCACTAATAAGAGTGGTTTGGAAATGAAA
 AGTGCTGACTTAGAAAATTTTCTGCAGAAAATTTCAAGGTGACTGAGCAACCTGGATGC
 TGTTTGCCTGTAATGGAAGCAGAAAAGCACCAAAAGCTTTCAATATAGTGTGCAGATAGAA
 AAACCTTTTACAGAAGGAAATCTTACTGGTTTTATTAGTTATCATATGATGGATACTCAT
 TCTGCTCAGTGGAAATTTCTGTAACTTATCACTATTAGATTTTATTAGACCATTAAAA
 ATCTCAAGTGACGACTTTGGGAACTCTGGTTATCCTTCGCAAATGATGTGAAACAAAAT
 GTAAAAATGTCAGAACTCAAGCTGCCTTCTTCTGCACTAAAGACTCTGCAACAGAAA
 CTAAGACTCCATATTATTGAGATTATAGGCAATGAAGGGCTATTGGCCTGTCAGTGCTC
 CCATCCATCCCCTGCTTACTGCATTGCCGAGTTTATGCAGATGTATTAGCCCTGTGGTTC
 AGATCCTCCTGTTCTACTCTTCTGACTATTTACTGTATCAGTGTCAAAAGGTGATGGAG
 GGATCCTAGCAGAAGCCCTGCTAAATTTTACTCCATCAAGATCAATGGTTTACATAGATA
 AACTTATTTACCAAAGTAAAAAGAACTCATGGTACTTCTAATGAAAATGGGGATTATTAC
 AAGTGTGGTTTATATGTTTTCTTTATGATTCTGGTCAAGAAAGATCCCCAAAAGTGTAT
 CCCTAACCTTTAACTCAGGATTGTACAGTATGTTTAGGTCCCTCAAAAAGTGACCTAAGC
 TAATGTTATAAACTGCTAATGATTTATATCACTTAGTGTGTAGAGGGACTGAAAATAT
 TTATTTTGTATAAATAATTTTATAGCACGTTTACTCTAGTGTCTAGCTAATTTGTAATAA
 AGCCAAGTCTCAGTTTTCTGCATTAATGGAAGGGAGACATGAAATTGATAATCTCAAAC
 TTAATTCATATTTGGCTTTGGAATGTAGTGTATGGTTTTTGGTAGGGAAGTCAATATTTT
 CGATTATGTTTTGCTTAGATCAGTGTGAACTAAGTTGGCATAGCACACCTAACAGTTG
 TAGGAGATCCATGAGCATGCTGGA

Restriction Sites:

Please inquire

ACCN:

NM_007347

Insert Size:

4000 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:	The ORF of this clone has been fully sequenced and found to be a perfect match to NM_007347.3.
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_007347.3</u> , <u>NP_031373.2</u>
RefSeq Size:	6682 bp
RefSeq ORF:	3414 bp
Locus ID:	23431
UniProt ID:	<u>Q9UPM8</u>
Cytogenetics:	15q21.2
Protein Pathways:	Lysosome
Gene Summary:	<p>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]</p> <p>Transcript Variant: This variant (1) represents the shorter transcript and encodes the longer isoform (1).</p>