

Product datasheet for **RN217490**

Ap4e1 (NM_001191742) Rat Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: Ap4e1 (NM_001191742) Rat Untagged Clone
Tag: Tag Free
Symbol: Ap4e1
Synonyms: RGD1562199
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
Fully Sequenced ORF: >RN217490 representing NM_001191742
Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**GCGATCGCC**

ATGAGCGACATGGTGGAGAGGACGCTGACCGACTGCCGGGGCTCTTCTGCAGAACAGCTGGGAGGGC
CTGCGGCCTCCAGAGCACCTTCTTCTCCAGGCTGGGCGGCCTCATCCGTGGCGTCACTGCGCTCTCATC
CAAGCACGAAGAAGAGAAGTTAATCCAGCAGGAAGTGAAGTCTGAAGGCGACTGTTTCTGCTCCTACT
ACAACACTGAAAATGATGAAGGAATGTATGGTGAGACTTATATACTGTGAGATGCTTGGATACGATGCTT
CTTTTGGTTATATACATGCAATCAAGTTGGCCCAACAAGGAAACCTTTAGAAAAAGAGTGGGTTATTT
GGCTGTTTCTCTGTTTCTACATGAAAGTCATGAACTTTTGCTTCTCCTTGTGAATACAGTGGTAAAGGAC
CTGCAGAGCACTAATCTGGTAGAAGTGTGTATGGCACTCACTGTCGTCAGCCAGATTTTCCCTCGAGAAA
TGATCCAGCTGTCCTTCCACTAATAGAAGAGAAAACCTCAACATTCTAAGGAGATTATACGAAGAAAAGC
AGTTCTGGCATTATACAAATTTTATCTCATTGCCCTAATCAAGTACAGCATATCCATACTAAGTTTCGG
AAAGACTCTGTGACAGAGATGTTGGGGTCATGGCTGCCTTTGTCATATACCTTAGGATGATTAAGG
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GCTCCCTGTAGAGTTCAGTTACCACAGTGTGCCAGCGCCATGGTTACAGATTCAGCTCTTGAGAATACTG
GGACTGCTGGGAAAAGACGATGAAAGGACAAGTGAACATAATGTATGATGTTCTTGATGAATCCTTACGAA
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TCCTAAATCAGAATTACTTGAGAAGGCTGCCAAGTGCATTGGAAAATTTGTTCTGTACCTAAAATAAAC
CTCAAATATTTAGGACTGAAGGCTCTTACCTATGTTATCCAGCAGGATCCTTCTCGCTCTTCAACACC
AGATAACCATAATTGAATGCCTAGACCACCTGATCCCATTATTTAAAGAGAGACTCTGGAACCTCTTTA
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GAAGAGTACATCATCACTTACTCGGCAAAATAGCTGAATTGGCTGAGAAATATGCTCCTGACAACG
TGTGGTTCATTCAGACGATGAATGCTGTGTTTTAGTGGGAGGAGATGTAATGCACCCAGACATTCTCAG
TAACTTTCTGAGACTGCTAGCAGAAGTTTTGATGATGAAACAGAAGATCAACAGTTAAGACTCTATGCA
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GTTGGGATTAGGAGAGTATTCCTACCTCTTAGATAGAGAAAGCCCCGAGGCAGTTATGACCAGGCTCTA
 CAAGTTACTGAGGAGTGACTCCATTTCTCAGAAACGAAAGCATGGTTGTTTGTGCAGTAACCAAGTTA
 ACACCTCAAGCTCATTCTTCTCCATAGTTGAGAACTTAATCCAAGAATCACTGTATCCTTGAATACTT
 GTCTGAGACAACATGCATTTGAATTGAAACATCTACATGAAAAAGAGAGCTTATGAAGAGCTTGCTTCA
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 GGACTCAGTCAGGGAGCAGCACCTTATAAGCCCCGTACCAGCGCAAGAGGAGCAGCTCTCTCAGGAAA
 AAGTTCTCAATTTGAACCATATGGACTATCATTCTTCTCATCTGGCTTCACTGGACGACAGTCTCCTGC
 TGGCGTTTCTCTGGGCTCAGATATATCTGGAAACAGTGCTGAAACAGGGCTGAAAGAGGCAGGTAGCCTG
 AAGATGGACGGCATAAAGAAATTATGGGGTAAAGAAGTTATCTCCCAAGAAGGAGAGTGGAGCTGCTG
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 GAAGGACCAAGCTCAAGGCCACACCCCTTCTACAGAGGAGAAAGAAAAGCAGCTGTTGGCATCATCGCTG
 TTTGTTGGGCTAGGACCAGAAAATACGATCAATTTGTTGGGAAAAGCAGATGTTGTGCTTACAAGTTCA
 GGAGGAAGTCAAACCAAGGTAGCCAAAGTGACAAGATGCCAGCGCTCATGCCGCTCCCTCCTCCAC
 CCTTAGCCCTGTGTCGATGTGGCTGGGGGGATGAGGACAGTCTGAGCGCTGCGGATAGAGGAGACGGG
 GAGCTTGGTTCAGAGCTGTTGGGTTCTGAGTCTGTCTTGGAGCTGCCCTCAGTTGAAAACCTCTCGAGTG
 TCAGCTTGCCCGTGTCTCTTTGTTGGCGGTAAAGCATGGAAGTATTTTCATCCCCCTTATCCTCTGC
 AACTTCAGCCGTCAAGGAAGTCAGTTTGGCTGCTCTGTTGGAAGAACTCCTGAATGCAGGCGTTGAGT
 CTCGTGGAATCTGTAGTAATGAACTGTGGCTGTGCTTCTTACAAAGTCTGGAAGGATGAGTGTTTAT
 TGCTGGTGTGCTCAGTCACTAGTAAGACTGATTGAGAGTTCACAGATGCTCAATTAGAAATTTTCTTT
 GGAAAATTTCAAGATCATTGAGCAGCCTGGATGTCCTTACCTGTGATGGAAGCAGAAAGCACCAAATCC
 TTCCAATATGGCGTGCAGATGGAAAGCCCTGTGTAGAGGGGACTCTCTCTGGTTTTATAAAGTATCAA
 TGATGGATACACATCCTGTTCAACTGGAATTTCCATGAACTTACTACTAGATTTTATTAGGCCATT
 AAAGACTCAACTGAAGACTTTGGCAAACCTGTTGTCTTTTGCAAATGATGTGAAGCAAAATATAAAA
 ATATCAGAGCCTCGAGTTGCACTGGCTTCTGCTGACAGAGCTGCAGCAGAAACTCAGACTTTGCGTGG
 TTGACGTCATAGGCAGTGAAGTCTGCTGGCCTGTAAGCTGCTCCGTCACCCCTGTATCCTGCACTG
 CCGAGTACACGCTGACGTGGTAGCCCTGTGGTCCGATCCTCTAGCTCTGTTCTTTCAGACTGTTTATCT
 TGTCAGTGCAGAAAGTATGATGCAGACATCCTAG

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

- Restriction Sites:** SgfI-MluI
- ACCN:** NM_001191742
- Insert Size:** 3393 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:** Clone contains native stop codon, and expresses the complete ORF without any c-terminal tag.
- 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_001191742.1, NP_001178671.1

RefSeq Size: 3448 bp

RefSeq ORF: 3393 bp

Locus ID: 311404

Cytogenetics: 3q36