

Product datasheet for **RN210557**

Ak4 (NM_017135) Rat Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: Ak4 (NM_017135) Rat Untagged Clone
Tag: Tag Free
Symbol: Ak4
Synonyms: Ak3l1; Ak3l2; AK 4
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
Fully Sequenced ORF: >RN210557 representing NM_017135
Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGGATCGCC**

ATGGCTTCCAACTCCTGCGCGCAGTCATCCTGGGGCCGCTGGCTCTGGCAAGGGCACGGTATGCGAAA
GGATCGCCAGAACTTTGGCCTCCAGCATCTCTCCAGCGGCCACTTGTTCGGGAGAACCTAAAGACCAA
CACGGAAGTTGGTGACGTGGCAAACAGTACCTAGAAAAAGGTCTTTTGGTTCCGGACCATGTGATCAG
CGCTAATGATGTCAGAACTGGAGACCCGGAGTGCACGACTGGCTATTAGATGGATCCCAAGGACAT
TAGTGACGGCAGAAGCTCTGGACAGAATCTGTGATGTGGACCTAGTAATCAGTTTGAATATTCCTTCGA
GACACTTAAAGATCGTCTGAGCCGACGGTGGATTACCCTTCCAGCGGGAGGGTCTATAACCTAGACTTC
AACCCACCTCAAGTGCTGGGGTTGATGACATCACCGGCGAGCCTCTTGTCCAACAGGAAGATGATAAAC
CTGAAGCACTTGCTGCCCGGCTAAGACGGTACAAGGACGACGAAACCAGTCATCGAACTGTACAAGAG
CCGTGGAGTGCTCCACCAGTTTCTGGGACGGAGACTAACAGAATCTGGCCTTATGTTTACACGCTCTTC
TCCAACAAGATCACACCCATTCAATCCAAGAAGCCTAC**TGA**

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI
ACCN: NM_017135
Insert Size: 672 bp



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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:	<u>NM_017135.3</u> , <u>NP_058831.1</u>
RefSeq Size:	677 bp
RefSeq ORF:	672 bp
Locus ID:	29223
UniProt ID:	<u>Q9WUS0</u>
Cytogenetics:	5q33
Gene Summary:	adenylate kinase isozyme that may play a role in energy metabolism [RGD, Feb 2006]