

Product datasheet for **MC216678**

Ak8 (NM_001033874) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Ak8 (NM_001033874) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Ak8
Synonyms:	1190002A17Rik; AK 8
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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Fully Sequenced ORF: >MC216678 representing NM_001033874
Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGGATGCAACCACGCCCTCATCGCATTCCCCGAAATGCCTCAGTACGGGGAAGACTACTACATTT
TCGAGATGATGCAGAACATGTTGGAGCAGCTCCTGATCCACCAGCCGAGGACCCATCAGCTTCATGAT
CACTCACCTGCGCAGGAACAATGATAATGTGCCAAGGTTGTGATATTAGGTCGCCCTGCCTCAGGGAAA
ACCACCATCGCCATGTGGCTCTGCAAACATCTAAACAGCAACCTCATACCAAGGAGAGCTTACTAGAAA
GAGAGTTTTCCCGTCTGTCTGTGGAAGCCAAGAGTTACTACCAGGTTTACAAGAAGATCCCAATTCGAT
TCTTGTGAGTCTGTCCAGGAGCGTCTGAATGAAGATGACTGCCTCAGAAAGGGCTGGATCCTGGACGGC
ATCCCTGAGAGGGCGGAGCAGGCTCTGATGATCCAGACCCTGGGGCTGGCGCCAAGCACGTCATTGTGC
TTAATGCTCCAGACACTGCTCTGATCGAGAGAAATGTGGCAAGCGGATCGACCCTGTCACCGGAGAGAT
CTATCACACCACCTTCGACTGGCCCCCTGAGCCTGAAATACAGAACAGGCTGAGACAGCCGAGGGCATC
TCGGAGATCGAAACGGCGAAGAAGCTGCTGGAGTACCACAGGCACATCATCAGGATTCCTCCTTCTACC
CAAAAATCCTGAAAACCATCAGCTCAGACCAGCCGTGTGTGGATGTCTTCTACCAGGCTCTGACCTATGT
CCAATCTGGCCATCGATGCAATGCCCATTCACCCCAAGGTGCTGCTGTGTGGGCCGTTGGGCAGCGGG
AAGAGACTGCAGGCTACCTTCTGGCCAGAAATATGGCCTTGTAAACATCAGCTGCGGGCAGCTGCTGA
AGGAGGCTGTGGCAGCCAAGTCAAGCTTCGGGGAGCTCATCCAGCCATTCCTTGAAGAGGATGACAGT
TCCAGACAGTATCATCACCAGTTCTGGCTGATCGAATGGAGCAACAAGATTGCATCCAGAAAGGGTGG
GTGCTGCACGGCTTCCCAAGAGACCTGGACCAGGCCGGATGCTGAACTCCATGGGCTACAATCCCAACA
GGGTCTTCTCCTGAGTGTGCCACTGGATTCCATTCTGGAGCGGCTGACGCTGAGAAGGACAGACCCTGT
CACAGGAGAAAGGTTCCACCTCATGTACAAGCCCTCCACCATAGAGGTCAGGTCGCGCTCCTGCAG
AACCCCAAGGATTCAGAGGAGTACATCAAGCTCCAAACGACCTGTTCTACAGGAACTCTGGGGATCTGG
AGCAGTACTACGATCGAGCCATATTGTCAACGGAGACCAGGCCATACACAGTTTTTGTAGTATATAGA
GAGCGGGATCATTAACTCTGCCAGGAAAGTTACCTGA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: Sgfl-MluI

ACCN: NM_001033874

Insert Size: 1440 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:

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_001033874.2](#), [NP_001029046.2](#)

RefSeq Size: 1584 bp

RefSeq ORF: 1440 bp

Locus ID: 68870

UniProt ID: [Q32M07](#)

Cytogenetics: 2 A3

Gene Summary: Nucleoside monophosphate (NMP) kinase that catalyzes the reversible transfer of the terminal phosphate group between nucleoside triphosphates and monophosphates. Has highest activity toward AMP, and weaker activity toward dAMP, CMP and dCMP. Also displays broad nucleoside diphosphate kinase activity.[UniProtKB/Swiss-Prot Function]