

Product datasheet for **MC203915**

Ak6 (NM_027592) Mouse Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: Ak6 (NM_027592) Mouse Untagged Clone
Tag: Tag Free
Symbol: Ak6
Synonyms: 2810046E22Rik; 4921516M08Rik; AK/ATPase
Mammalian Cell Selection: Neomycin
Vector: PCMV6-Kan/Neo (PCMV6KN)
E. coli Selection: Kanamycin (25 ug/mL)

Fully Sequenced ORF: >BC019453
GCTTTGGCTGCAGGGGAAGGAGGACTATGAAGCTTCCGAATATCCTGCTACCCGGTACACCAGGGTTGG
AAAAACCACTAGGCAAGAAGTTCATCAAGATCAGGCTGAAGTACGTTAACGTGGGAGATCTAGCT
CGAGAAGGGCAGTTATACGACGGCTACGATGAGGAGTATGGCTGTCCATTCTAGATGAGGATAGGGTTG
TCGATGAGTTAGAGCATCAGATGCAGGAGGGCGGTGTGATTGTGGATTACCACGGCTGTGACTTCTTCCC
CGAACGCTGGTTTCATATAGTGTGTTGTTGAGAACAGATAATGGTGTATTGTATAAACGACTTGAAACA
AGGGGTTATAATGAGAAGAACTACAAGACAATATTCAGTGTGAGATTTTCAAGTTCTTTATGAAGAAG
CCATAGCATCTTACAAAGAAGAAATCGTGCATCAGCTGCCAGTAATGAACCAGAACAGCTCGAGGACAA
TATCAACCAAATCTCAAATGGATTGAGCAGTGGTCAAAGATCATAACCCTTAAGTACTGACTGGCTA
GCCAGGCACCACCTCCGTCATCGTCCCAGATCTTAGGAGGCAGCAGCTGGTCTACACAGTGAGTCTAG
GCCAGCCAGGGCTGCACAGTAAGGCTCTGTTTCAAAGGGAAAAAAGAAAAAAGAAAAAAGCCTGGCTACC
GTCACTCAGTCCACATAGTAGGAACACGGGAGGATGAGCAGAAGAAAGCTTGTGTGCGAGCTCTAGCTGC
TGCTGGATTTCTTTTCTCCGTGAGAAACCTTACACAATCTCAGATATGAATATAAATTTAAAGATT
AAAAGTTGCTTCAAATGAATTGATAATAAATCTGGTCAATGGAAAAAAGAAAAAAGAAAAAAGAAAAA

Restriction Sites: RsrII-NotI

ACCN: NM_027592

Insert Size: 519 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).



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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: [BC019453](#), [AAH19453](#)

RefSeq Size: 907 bp

RefSeq ORF: 519 bp

Locus ID: 102216272

UniProt ID: [Q8VCP8](#)

Cytogenetics: 13

Gene Summary: Broad-specificity nucleoside monophosphate (NMP) kinase that catalyzes the reversible transfer of the terminal phosphate group between nucleoside triphosphates and monophosphates. May have a role in nuclear energy homeostasis. Has also ATPase activity. May be involved in regulation of Cajal body (CB) formation.[UniProtKB/Swiss-Prot Function]