

Product datasheet for RN212974

Ak1 (NM_024349) Rat Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: Ak1 (NM_024349) Rat Untagged Clone
Tag: Tag Free
Symbol: Ak1
Synonyms: Ak 1
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
Fully Sequenced ORF: >RN212974 representing NM_024349
Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGGAAGACAAGCTGAAGAAGGCCAAGATCATCTTCGTGGTGGGCGGCCTGGCTCAGGAAAAGGTACCC
AGTGTGAGAAGATTGTGCAGAAATATGGCTACACCCACCTCTCTACTGGGACCTGCTTCGGGCAGAAGT
CAGCTCTGGATCGTCGAGGGGCAAGATGCTGTCATCTATCATGGAGAAGGAGAGCTGGTCCACTGGAG
ACGGTGTGGACATGCTTCGGGATGCTATGTTAGCCAAAGTGGACTCTTCCAACGGCTTCTTGATTGACC
GCTACCCGAGGGAGGTGAAACAGGGAGAAGAGTTTGAACGGAAGATCGCACAGCCACACTGCTACTGT
TGTGGACGCAGGCCCGAGACCATGACCCAACGACTCCTAAAGCGAGGGGAGACCAGTGGCCGTGTGGAC
GATAACGAGGAGACCATCAAGAAGAGGCTGGAGACGTAATTACAAAGCCACAGAACCTGTCATCTCCTTCT
ATGACAAACGCGGCATTGTGCGCAAGTCAATGCTGAAGGCTCAGTGGACTGTCTTCTCCAGGTCTG
CACCTATCTTGACTCCCTGAAGTAA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI
ACCN: NM_024349
Insert Size: 585 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).



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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_024349.3</u> , <u>NP_077325.2</u>
RefSeq Size:	1990 bp
RefSeq ORF:	585 bp
Locus ID:	24183
UniProt ID:	<u>P39069</u>
Cytogenetics:	3p11
Gene Summary:	catalyzes the conversion of ATP and AMP to ADP in adenine nucleotide metabolism [RGD, Feb 2006]