

# Product datasheet for MR228420

### Ak1 (NM\_001198792) Mouse Tagged ORF Clone

### **Product data:**

#### OriGene Technologies, Inc.

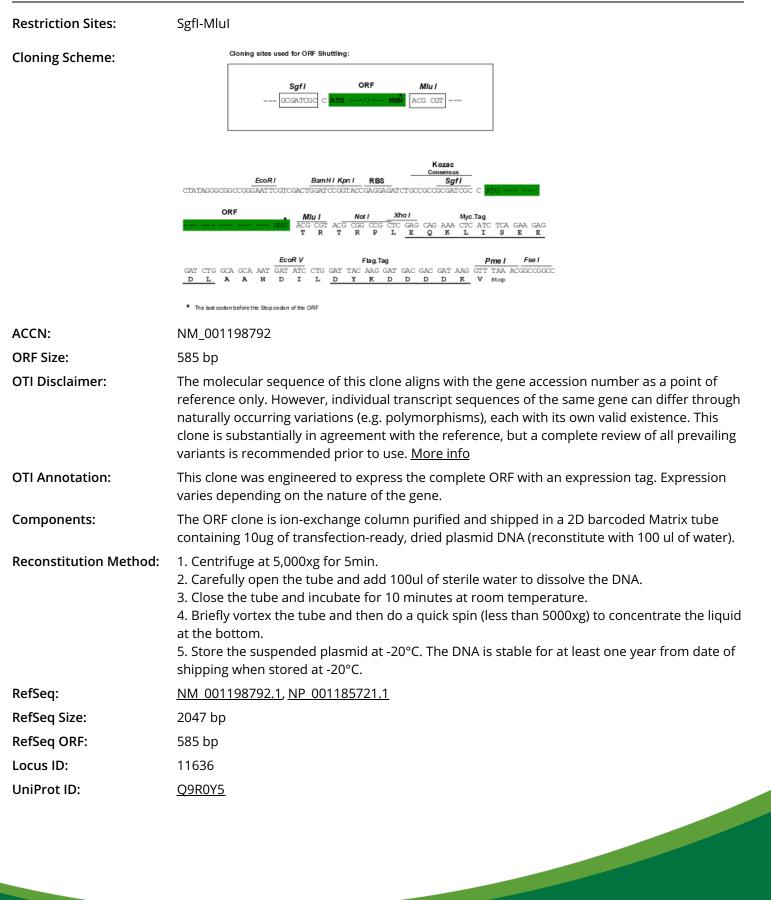
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Product Type:	Expression Plasmids
Product Name:	Ak1 (NM_001198792) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Ak1
Synonyms:	Ak-1; B430205N08Rik
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>MR228420 ORF sequence Red=Cloning site Blue=ORF Green=Tags(s)
	TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC GCC <mark>GCGATCGC</mark> C
	ATGGAAGAGAAGCTGAAGAAGGCCAAGATCATCTTTGTGGTGGGCGGACCTGGCTCAGGAAAGGGCACCC AGTGCGAGAAGATTGTACAGAAATATGGCTACACCCACCTGTCTACTGGGGACCTGCTTCGGGCAGAAGT CAGCTCTGGATCGGAGAGGGGCAAGAAGCTGTCGGCTATCATGGAGAAGGGAGAGCTAGTGCCACTGGAC ACGGTGCTGGACATGCTCCGAGATGCTATGTTAGCCAAAGTGGATTCTTCCAATGGCTACCGATCGACG GCTACCCGAGGGAGGTGAAACAGGGAGAAGAATTTGAACAGAAGATTGGACAGCCCACACTGCTGCTGTA TGTGGACGCGCGAGACCATGACCCAACGACTCCTGAAGCGAGGGGAGACCAGTGGCCGCGTGGAT GACAACGAGGAGACCATCAAGAGCGGCTGGAGACTTATTACAATGCCACAGAACCTGTCATCTCTT ATGACAAGCGTGGCATTGTCGCGCAAGGTCAATGCCGAAGGCACGGTGGACACTGTCTTCTCAAGGGTCTG CACCTATCTTGACTCCCTGAAG
	ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT ACAAGGATGACGACGATAAG <b>GTTTAA</b>
Protein Sequence:	>MR228420 protein sequence Red=Cloning site Green=Tags(s)
	MEEKLKKAKIIFVVGGPGSGKGTQCEKIVQKYGYTHLSTGDLLRAEVSSGSERGKKLSAIMEKGELVPLD TVLDMLRDAMLAKVDSSNGFLIDGYPREVKQGEEFEQKIGQPTLLLYVDAGAETMTQRLLKRGETSGRVD DNEETIKKRLETYYNATEPVISFYDKRGIVRKVNAEGTVDTVFSEVCTYLDSLK
	TRTRPLEQKLISEEDLAANDILDYKDDDDKV



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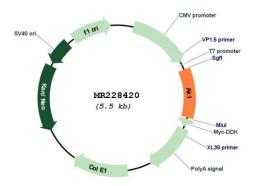
### CRIGENE Ak1 (NM\_001198792) Mouse Tagged ORF Clone – MR228420



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<b>ORIGENE</b>	Ak1 (NM_001198792) Mouse Tagged ORF Clone – MR228420
Cytogenetics:	2 22.09 cM
MW:	21.5 kDa
Gene Summary:	Catalyzes the reversible transfer of the terminal phosphate group between ATP and AMP. Also possesses broad nucleoside diphosphate kinase activity. Plays an important role in cellular energy homeostasis and in adenine nucleotide metabolism (By similarity). May provide a mechanism to buffer the adenylate energy charge for sperm motility. [UniProtKB/Swiss-Prot Function]

## Product images:



Circular map for MR228420

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