

Product datasheet for **MR215888**

Akap3 (NM_009650) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Akap3 (NM_009650) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Akap3
Synonyms:	Prka3
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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ORF Nucleotide Sequence:

>MR215888 representing NM_009650
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGGCGGATAGGGTTGACTGGTTACAAAGTCAAAGTGGCGTTTGCAAAGTTGGTGTCTATTCACCTGGAG
 ACAACCAACACCAAGACTGGAAAATGGACACATCAACAGATCCTGTCCGAGTGCTCAGCTGGCTCCGCAA
 AGACCTGGAGAAAAGTACAGCGGCTTCCAGGACTCGAGGTTCAAGCCTGGAGAGTCATCGTTTGTGGAG
 GAAGTGGCTTACCAGTGGACCAACGAAAAGTTTCTGTGTTGATTATTACAATACCACCAACAAGGGCA
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 CGAAAGGAGATCAATGAGAAGATCCACGGCGTGAAAACAATGTGTCCATCAGTCATTGTATATGGGGG
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 GGTCTAAGATACAGGACTCTGAAGATCAAGGAGAGTACAAAGGAAGGCAAGTGTCCAGACGACAAGC
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 CGGGAGTCTTACCAGGAGATCAAAAAGTGTTCAGGACAGCCCGACAACAGGCTGATGACTTTTCA
 AACTCTATCAGTCAAGGATCATGACCTACGCCAACAGCGTGGTGTCTGACATGATGGTCTCCATCATGA
 AGACGCTGAAGATCCAGTGAAGGACACAACCATCGCCACGATTTCTGCTGAAGAAGGTGCTGATGAAGCA
 CGCAAAGGAGTTGTCTCCGACCTCATCGACTCCTTCAAGAAGCTCCACGGCGTCACGGGAAGCCTC
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 GAGTGCCAGATCCTTGTGAGGCAAAACCCTCTCACCACCTCAGCCACCAGAGAATTTTGCAAATTTTA
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 TG

ACGCGTACGCGGCCGCTCGAGCAGAAAACCTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >MR215888 representing NM_009650
 Red=Cloning site Green=Tags(s)

MADRVDWLQSQSGVCKVGVYSPGDNQHQDWKMDTSTDPVRVLSWLRKDLEKSTAGFQDSRFKPGESSFVE
 EVAYPVDQRKGFCDVYYNTTNKSGSPGRLHFEMSHKENPSQGLISHVGNNGSIDEVSYFANRLTNLVIAMA
 RKEINEKIHGAENKCVHQSLYMGDEPTPHKSLSTVASELVNETVTACSKNISDDKAPGSGDRASGSSQAP
 GLRYTSTLKIKESTKEGKCPDDKPGTKKSFYKVEVFESRNAGDAKEGGRSLPGDQKLFRTSPDNRPDDFS
 NSISQGITMYANSVSDMMVSIIMKTLKIQVKDDTTIATILLKVLKMKHAKVVSVDLIDFSFMKLNHGVTGSL
 MTDDTFVSAVKRSFFSHGSQKATDIMDAMLGKLYNVMAKFKPENIRRARDKSESYSLISTKSRAGDPKL
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 ECPDPCANPPHQPPENFANFMCDSDSWAKDLIVSALLLIQYHLAQGGKMDAQSFLEAASTNFPNTK
 PPPSPVVQDECKLKSPPHKICDQEQTTEKDLMSVIFNFIRNLLSETIFKSSRNCSNVHEQNTQEEEEIH
 PCERP KTPCERPI TTPAPKFCDEEATGGAL SGLTKMVA NQLDNCMNGQMV EHLMD SVMKLC LIIAKSCD
 SPLSELGEEKGDASRPNSAFPNLYECLPVKGTGTAEALLQNAYLTIHNELRGLSGQPPEGCEIPKVIV
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 ERQLDEAVGNVTRLQLLDWLMANL

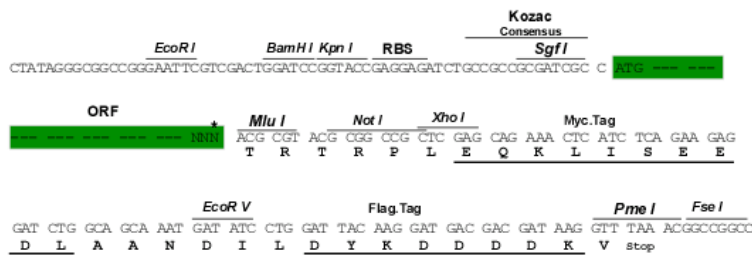
TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms: https://cdn.origene.com/chromatograms/mm9088_e12.zip

Restriction Sites: SgfI-MluI

Cloning Scheme:

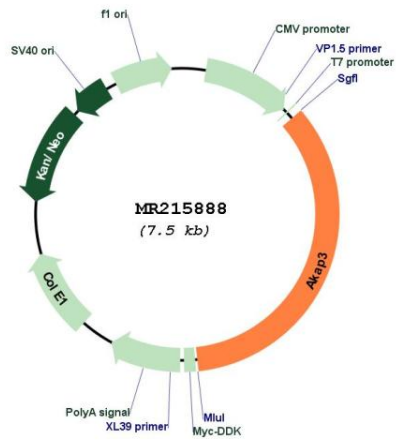
Cloning sites used for ORF Shuttling:



* The last codon before the Stop codon of the ORF

ACCN:	NM_009650
ORF Size:	2592 bp
OTI Disclaimer:	The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. More info
OTI Annotation:	This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
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:	NM_009650.2 , NP_033780.2
RefSeq Size:	3173 bp
RefSeq ORF:	2595 bp
Locus ID:	11642
UniProt ID:	O88987
Cytogenetics:	6 F3
MW:	95.6 kDa
Gene Summary:	May function as a regulator of both motility- and head-associated functions such as capacitation and the acrosome reaction.[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MR215888