

Product datasheet for MR216890

Akip1 (NM_020616) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Akip1 (NM_020616) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Akip1
Synonyms:	BCA3; C11orf17; D7H11orf17; D930014E17Rik; ICRFP703B1614Q5.6; ORF27
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>MR216890 representing NM_020616 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCCGCCCGATCGCC

ATGGAATACTGTCTGGCGCCGCGGCTGAACGGAGTGGACCGGCTCGCTCCAGCGCTCTGCTCGGC
TGGGGAGGGAAGTATTGGAGCGGCCAAGAGGAGGGCAGTGGACTGGCATTCTCCAGAGCGATCCAGAGG
CAACGTGGGGTCTTTACGCCAGGGCCCTACCAGAAAGATGGTCGGTCCCTGGTCCCAGCGCCTC
CTAGGAGAGAGAAGAAAGGTGCCAACCCCTTAGCTCTCCTTCGGAGCAATGGCTGAATTCATGGACT
ATACTTCAAGTCAGTGTGGAAATACTACTTGTCTATGCCAGAGGAAGGAGGAGCAACCCATGTCTACCG
TTATCACAGAAGGAAACCTCCAGAGATGCACATGTACTCAGATACTGGGCACAGTCAGGAACAAAGAAAC
TGCAGAGGCGAGACATCTGTTGGACAAGAAAGCATCTACCAAACATCAGAGCATTCTCAAGAGTCTCTT
GGCCTACTGAGAACATCTCTAAGGACCTCTACATCGAAGTCTACCCAGGGACCTATTCTGTCACTGTGGG
CTCCAGTGCCTTATCCAAGAAGACGCACGTGGTTGCAGTTGACCCGGGCAAAGTGTGGACTTGGTCTTC
CCCGTG

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >MR216890 representing NM_020616
Red=Cloning site Green=Tags(s)

MEYCLAAAALNGVDRRSLQRSARLGREVLERAKRRAVDWHSPERSRGNVGLYRQGPYQERWSVPGSQRL
 LGEREERCPTLSSSFGAMAEFMDYTSSQCGKYLLSMPEEGGATHVYRYHRRKPPMEMHMSDTGHSQEQRN
 CRGETSVGQESIYQTSEHSQESSWPTENISKDLYIEVYPGTYSVTVGSSALSKKTHVVAVDPGQSVDLVF
 PV

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms: https://cdn.origene.com/chromatograms/mm9059_c05.zip

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_020616

ORF Size: 636 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:

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_020616.2](#)

RefSeq Size: 973 bp

RefSeq ORF: 639 bp

Locus ID: 57373

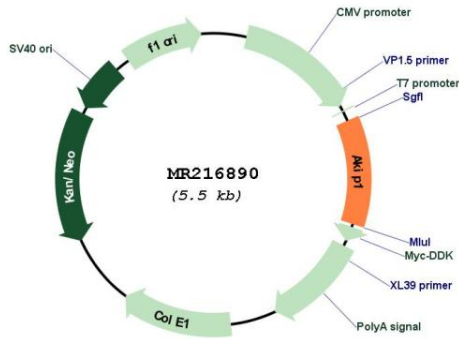
UniProt ID: [Q9JIR5](#)

Cytogenetics: 7 E3

MW: 24 kDa

Gene Summary: Enhances NF-kappa-B transcriptional activity by regulating the nuclear localization of the NF-kappa-B subunit RELA and promoting the phosphorylation of RELA by PRKACA. Regulates the effect of the cAMP-dependent protein kinase signaling pathway on the NF-kappa-B activation cascade (By similarity).[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MR216890