

## Product datasheet for **MG216890**

### Akip1 (NM\_020616) Mouse Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Akip1 (NM_020616) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Akip1
Synonyms:	BCA3; C11orf17; D7H11orf17; D930014E17Rik; ICRFP703B1614Q5.6; ORF27
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>MG216890 representing NM_020616 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGGAATACTGTCTGGCGCCGCGGCTGAACGGAGTGGACCGGCTCGCTCCAGCGCTCTGCTCGGC  
TGGGGAGGAAGTATTGGAGCGGCCAAGAGGAGGGCAGTGGACTGGCATTCTCCAGAGCGATCCAGAGG  
CAACGTGGGGTCTTTACGCCAGGGCCCTACCAGAAAGATGGTCGGTCCCTGGTCCCAGCGCCTC  
CTAGGAGAGAGAAGAAAGGTGCCAACCCCTTAGCTCTTCTTCGGAGCAATGGCTGAATTCATGGACT  
ATACTTCAAGTCAGTGTGGAAATACTACTTGTCTATGCCAGAGGAAGGAGGAGCAACCCATGTCTACCG  
TTATCACAGAAGAAACCTCCAGAGATGCACATGTACTCAGATACTGGGCACAGTCAGGAACAAAGAAAC  
TGCAGAGGCGAGACATCTGTTGGACAAGAAAGCATCTACCAAACATCAGAGCATTCTCAAGAGTCTCTT  
GGCCTACTGAGAACATCTCTAAGGACCTCTACATCGAAGTCTACCCAGGGACCTATTCTGTCACTGTGGG  
CTCCAGTGCCTTATCCAAGAAGACGCACGTGGTTGCAGTTGACCCGGGCAAAGTGTGGACTTGGTCTTC  
CCCGTG

**ACGCGT**ACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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**Protein Sequence:** >MG216890 representing NM\_020616  
 Red=Cloning site Green=Tags(s)

MEYCLAAAALNGVDRRSLQRSARLGREVLERAKRRAVDWHSPERSRGNVGLYRQGPYQERWSVPGSQRL  
 LGEREERCPTLSSSFGAMAEFMDYTSSQCGKYLLSMPEEGGATHVYRYHRRKPPMEMHMYSDTGHSQEQRN  
 CRGETSVGQESIYQTSEHSQESSWPTENISKDLYIEVYPGTYSVTVGSSALSKKTHVVAVDPGQSVDLVF  
 PV

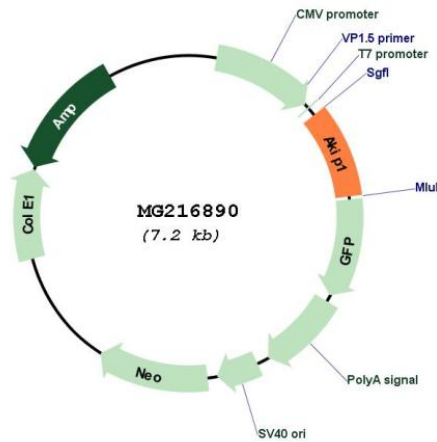
TRTRPLE - GFP Tag - V

**Restriction Sites:** SgfI-MluI

**Cloning Scheme:**



**Plasmid Map:**



**ACCN:** NM\_020616

**ORF Size:** 636 bp

<b>OTI Disclaimer:</b>	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. <a href="#">More info</a>
<b>OTI Annotation:</b>	This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
<b>Components:</b>	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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"><li>1. Centrifuge at 5,000xg for 5min.</li><li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li><li>3. Close the tube and incubate for 10 minutes at room temperature.</li><li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li><li>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.</li></ol>
<b>RefSeq:</b>	<a href="#">NM_020616.2</a>
<b>RefSeq Size:</b>	973 bp
<b>RefSeq ORF:</b>	639 bp
<b>Locus ID:</b>	57373
<b>UniProt ID:</b>	<a href="#">Q9JJR5</a>
<b>Cytogenetics:</b>	7 E3
<b>Gene Summary:</b>	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]