

## Product datasheet for **RR211734**

### **Akp3 (NM\_022680) Rat Tagged ORF Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	Akp3 (NM_022680) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Akp3
Synonyms:	Alpi2; IAP-2; IAP-II
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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**ORF Nucleotide Sequence:**

>RR211734 representing NM\_022680  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGGATCGCC**

ATGCAGGGCGCCTGGGTGCTGCTGCTGGGCTTCAGGCTACAACCTGTCCCTTAGCGTCATTCCAGTGG  
 AGGAGGAGAACCAGCATTCTGGAACCAGAAGGCAGCCGATGCCCTGAATGTTGCCAAGAAGCTGCAGCC  
 CATTACAGACGTCAGCCAAGAACCCTCATCATCTTCTGGGTGATGGGATGGGGTGCCACAGTGACAGCT  
 ACTCGGATCCTAAAGGGACAGTTGGAAGGTAATCTAGGACCTGAGACACCTTAGCCATGGACCATTCC  
 CATATATGGCTCTGTCCAAGACATACAGTGTGGACAGACAGGTCCCAGACAGTGAAGCAGACCCCGC  
 CTACCTATGTGGGGTCAAGACGAACTACAAGACCATTGGTGTGAGCGCGGCAGCAGCATTGACCAGTGC  
 AACACCACATTTGGCAACGAGGTCTCTGTGATGTATCGTCCAAAAAAGCAGGAAAAATCCGTAGGCG  
 TGGTGACCACCACAGGGTGCAGCACGCATCTCCAGCAGGCACCTATGTTCACTGTGAACCGCAATTG  
 GTACGGGGATGCGGATATGCCTGCCTCTGCACTGCAGGAGGGCTGCAAGGACATTGCTACACAACCTATC  
 TCCAACATGGACATTAAGTGATCCTTGGTGGGGGCCAAAATACATGTTTCTGCAGGAACCCAGACC  
 CTGAGTATCCGAATGATGTTAATGAGACTGGAACCAGACTGGACGGCAAGAACCTGGTGCAGGAATGGCT  
 GTCAAAGCACCAGGGTCCCAGTATGTTTGAATCGCCAAGAGCTCATTGAGAGTCCCTGGATCCATCA  
 GTGACGTATCTCATGGGCCTCTTGGAGCTGTAGACACAAAATTCGAGATTCAACGAGACCCCTGATGG  
 ACCCATCTCTGAAGGATATGACAGAGGCAGCCCTGCATGTGCTAAGCAGGAACCCCAAAGGCTTCTATCT  
 ATTTGTGGAGGGGGCCGGATCGACCGCGGTACCATCTGGGCACAGTTATCTGGCGTGAAGTGAAGCT  
 GTGATGCTCGACTCAGCCATCGAGAGGGCCAGCCAGCTCACTAGTGAGCAGGACACTCTGACCATAGTCA  
 CTGCTGACCACTCCCATGTCTTCTCTTGGTGGCTACACACTCGAGGGACCTCCATCTTGGGCTGGC  
 TCCCTCAATGCTCTGGATGGCAAGCCCTACACCTCCATCCTGTATGGCAATGGCCAGGCTATGTCGGT  
 ACAGGGGAAAGACCCAACGTACCGATGCTGAAAGCCATGACCCATCGTACCAGCAGCAGGCTGCTGTGC  
 CGGTGAAGTCGGAGACCCACGGTGGGGAGGACGTGGCTATATTCGCACGTGGCCCGCAGGCGCACTTGT  
 ACACGGAGTGCAGGAACAGAACTACATCGCGCACGTATGGCCTTCGCAGGCTGCCTGGAGCCCTACACC  
 GACTGTGGCCTGGCGCCCTGCAGACGAGAACAGACCAACCACCCGGTCCAGAACAGCACCACCTACCA  
 CCACC  
 TCCAGCCACCGGCCACTGGCCCTGGCACTACTGGCCAAGGCGCTGATGCTACTACTGGGGCTCCTGCT  
 GATTC

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Protein Sequence:**

>RR211734 representing NM\_022680  
 Red=Cloning site Green=Tags(s)

MQGAWVLLLLGFRLQLSLVIPVEEENPAFWNQKAADALNVAKKLQPIQTSAKNLIIFLDGDMGVPTVTA  
 TRILKGQLEGNLGPETPLAMDFPYMALSKTYSVDRQVPDSASTATAYLCGVKTNKYKTIGVSAARFDQC  
 NTTFGNEVLSVMYRAKKAGKSVGVTTRVQHASPAGTYVHTVNRNWDADMPASALQEGCKDIATQLI  
 SNMDINVILGGGRKYMFPAGTPDPEYPNDVNETGTRLDGKNLVQEWSKHQGSQYVWNRQELIQKSLDPS  
 VTYLMGLFEPVDTKFEIQRDPLMDPSLKDMEALHVLNRNPKGFYLFVEGGRIDRGHHLGTAYLALTEA  
 VMLDSAIERASQLTSEQDTLTIVTADHSHVFSFGGYTLRGTIFGLAPLNALDGKPYTSILYGNPGYVG  
 TGERPNVTDAESHDPYQQAAVPVKSETHGGEDVAIFARGPQAHLLHGVQEQNYIAHVMAFAGCLEPYT  
 DCGLAPPADENRPTTPVQNSTTTTTTTTTTTTTTTTTTTTTTRVQNSASSLGPATGPLALALLAKALMLLLGAPA  
 DF

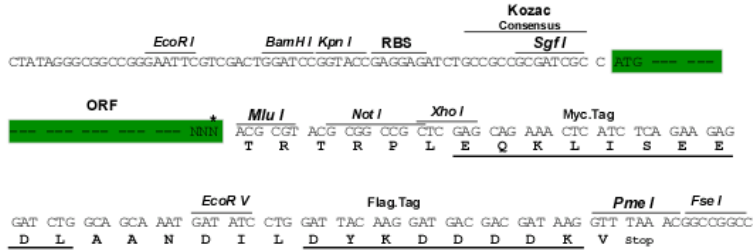
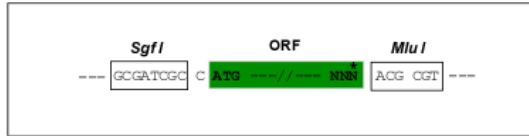
**TRTRPLEQKLI**SEEDLAANDILDYKDDDDKV

**Restriction Sites:**

Sgfl-Mlul

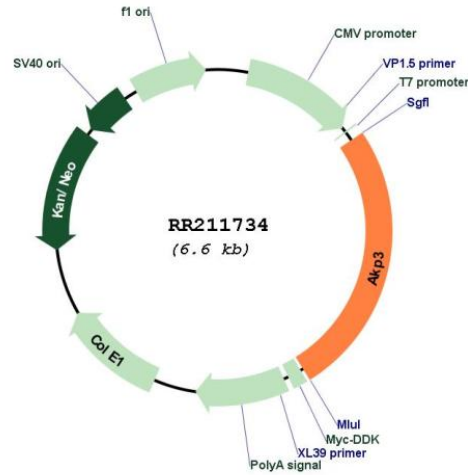
**Cloning Scheme:**

Cloning sites used for ORF Shutting:



\* The last codon before the Stop codon of the ORF

**Plasmid Map:**



ACCN: NM\_022680  
 ORF Size: 1686 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_022680.1</a> , <a href="#">NP_073171.1</a>
<b>RefSeq Size:</b>	1689 bp
<b>RefSeq ORF:</b>	1689 bp
<b>Locus ID:</b>	64621
<b>Cytogenetics:</b>	9q35
<b>MW:</b>	60.6 kDa