

## Product datasheet for **MR209698**

### **Akap8l (NM\_017476) Mouse Tagged ORF Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	Akap8l (NM_017476) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Akap8l
Synonyms:	HAP95; Nakap95
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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ORF Nucleotide  
Sequence:

>MR209698 ORF sequence  
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGCATCGCC**

ATGAGCTACACAGGTTTTGTCCAAGGATCCGAAACCATTTCAGTCTACGTACTGTGACACCAGTGCCC  
AGCCACCTGTGATTATGGATATGGAACCTGGAACCTCTGGGACAAATAGAGGCTACGAGAACTATGGTTA  
TGGCTATGGCTATGGCCAGGATAACACCACCAACTATGGGTATGGTATGGCCACTTCACACTCTTGGGAA  
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GAATTAACAGCGCTTAGATATGATGCCGCACTTGAGACAGACATGATAACAAGGAGGTGTGTACGGCTC  
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CCTACCGTGACCAGTTTCGAATGCGTGGAGGAGATACATTTGGTCCAAGGGCTCAGGGCTGGGCCGGGA  
TGCCCGGAGTGGACGGCCAATGGCTCGGGCTATGGGCGCATGTGGGAAGATCCCATGGGGGCCGGGGC  
CAGTGCATGCCTGGTGCCTCCCGCTGCCTCCCTCTTCTCCAGAACATCATACCCGAGTATGGCATGT  
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CCGAGCAGAAGGAGAAGACGAGGAGGGAAAAGAGGATGGGAGAGAAGGCAAGAAGATTCGGAGAAAAGG  
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GACCTTCTATGAGGATGAGATGGGTAGCCACCTTGACAGCAAGTCCACAAGGAACACTTCAAATATGTA  
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ATCCCATGCAGTTTGAATCATCCAAAGCATCTCAAGACGATGGATCACAACCGAAACCGCAGGCTTA  
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GAAGCTGGAGCGATATCTGAAGGGCGAGAATCCTTTCACTGACAACCCAGAGGAGGAAAAGGAACAAGAC  
GAGGTGGAGGCTGGCGCTCTGGATGAAGGGGCACCAAGCGAAGCGACAGAGCTCACAGAGGGCGTGCCGG  
CACAGCCCCCGTGCCTTGGAGCCCGCCAGGGACTACAACACCGCCACCTCCGCCACCACCAGAAGA  
GGAGGAGAGCCCTGTACCTTGTGGGCGGAGCGCTGCAGTGTGATCCGCGGGATCCCGGGCCTCGAC  
ATGGAAGACGACGAGGAGGGCGGTGGGGTCCA

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA

**Protein Sequence:** >MR209698 protein sequence  
Red=Cloning site Green=Tags(s)

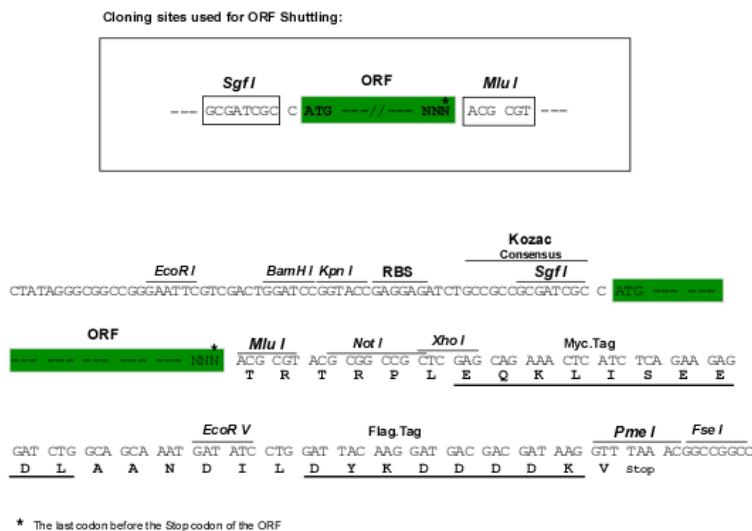
```

MSYTGfVQGSETTLQSTYCDTSAQPTCDYGYGTWNSGTNRGYENYGYGYGQDNTTNYGYGMATSHSWE
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QCMPGASRLPSLFSQNI IPEYGMFQGMRRGGAFSGGSRFGFGNGMKQMRRTWKWTWTTADFRTKKKKRKR
QGGSPDEPDSKATRTDCSDNSDNDDEGTEGEAAEGTESAEAMEKGSRAEGEDEEGKEDGREKEDSEKG
ALTAQDESSQAKRKLQASKKSQDKQKKRQRDRMVRIQFVCSLCKYRTFYEDEMGSHLDSKFHKEHFKYV
GTKLPKQTADFLQEYVTNKTKKTEELRKTVEDLDGLIQQIYRDQDLTQEIAHEHFVKVAAHCAACDLF
IPMQFGI IQKHLKTM DHNRNRRLMMEQSKKSSLMVARSILNNKLSKKLERYLKGENPFTDNPEEEKEQD
EVEAGALDEGAPSEATEL TEGVPAQPPVPLEPAPGTTTPPPPPPEEEESPVPLLGGALQCQIRGIPGLD
MEDDEEGGGP
    
```

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

**Restriction Sites:** SgfI-MluI

**Cloning Scheme:**



**ACCN:** NM\_017476

**ORF Size:** 1926 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\\_017476.2](#), [NP\\_059504.2](#)

**RefSeq Size:** 2097 bp

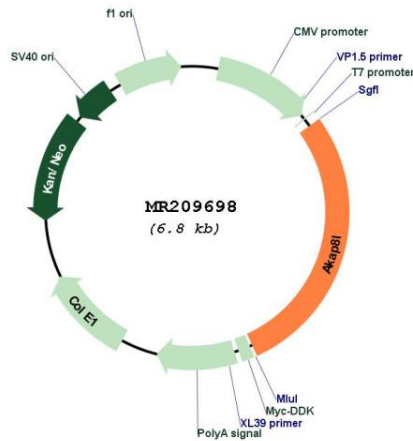
**RefSeq ORF:** 1926 bp

**Locus ID:** 54194

**Cytogenetics:** 17 B1

**MW:** 71.3 kDa

**Product images:**



Circular map for MR209698