

## Product datasheet for **MG209698**

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

#### **Product data:**

|                           |   |
|---------------------------|---|
| Product Type:             | Expression Plasmids                       |
| Product Name:             | Akap8l (NM_017476) Mouse Tagged ORF Clone |
| Tag:                      | TurboGFP                                  |
| Symbol:                   | Akap8l                                    |
| Synonyms:                 | HAP95; Nakap95                            |
| Mammalian Cell Selection: | Neomycin                                  |
| Vector:                   | pCMV6-AC-GFP (PS100010)                   |
| E. coli Selection:        | Ampicillin (100 ug/mL)                    |



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**ORF Nucleotide Sequence:**

>MG209698 representing NM\_017476  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGCATCGCC**

ATGAGCTACACAGGTTTTGTCCAAGGATCCGAAACCATTTCAGTCTACGTACTGTGACACCAGTGCCC  
 AGCCACCTGTGATTATGGATATGGAACCTGGAACCTCTGGGACAAATAGAGGCTACGAGAACTATGGTTA  
 TGGCTATGGCTATGGCCAGGATAACACCACCAACTATGGGTATGGTATGGCCACTTCACACTCTTGGGAA  
 ATGGCTAGCTCTGACACAAATGCAAACCCTAGTGCCTCGGGTAGCGCCAGTGCCGATTCCGTTTTATCCA  
 GAATTAACAGCGCTTAGATATGATGCCGCACTGGAGACAGACATGATAACAAGGAGGTGTGTACGGCTC  
 AGGTGGTGGAGAGAGATATGACTCCTATGAGGCCCTGTGACTCAAGGGCCATCCTGAGTGAACGAGACCTC  
 TACCGGTCAAGCTATGACTATGGCGAGCTTGACCCTGAGATGAAATGGCCTATGAGGGCCAATATGATG  
 CCTACCGTGACCAGTTTCGAATCGTGGAGGAGATACATTTGGTCCAAGGGCTCAGGGCTGGGCCGGGA  
 TGCCCGGAGTGGACGGCCAATGGCTCGGGCTATGGGCGCATGTGGGAAGATCCCATGGGGGCCGGGGC  
 CAGTGCATGCCTGGTGCCTCCCGCTGCCTCCCTCTTCTCCAGAACATCATACCCGAGATGGCATGT  
 TCCAGGGCATGCGTGGTGGGGTGCCTTCTGTTGGTCCCATTGGCTTTGGATTTGGCAATGGCAT  
 GAAGCAGATGAGGCGTACCTGGAAGACCTGGACCACAGCCGACTCCGGACCAAAAAGAAGAAGAGAAAAG  
 CAGGGTGGCAGTCTGATGAGCCAGACAGCAAAGCTACCAGAACAGACTGCTCAGACAACAGTGACTCAG  
 ACAATGATGAAGGCACTGAGGGGGAAGCTGCAGAGGGTACTGAAAGTGTGAGGCTATGGAGAAAGGCTC  
 CCGAGCAGAAGGAGAAGACGAGGAGGGAAAAGAGGATGGGAGAGAAGGCAAGAAGATTCGGAGAAAAGG  
 GCCCTGACCGCCAGGATGAGAGCAGCCAGGCCAAGCGCAAGTTGACGGCAAGCAAGAAGAGCCAAGACA  
 AACAGAAAAAGCGCAGCAGACCGTATGGTGGAAAGGATCCAGTTTGTGTCTCTGCAAAATACCG  
 GACCTTCTATGAGGATGAGATGGGTAGCCACCTTGACAGCAAGTCCACAAGGAACACTTCAAATATGTA  
 GGCACCAAGCTTCAAAGCAAAGTCTGACTTCTGAGGAAATATGTACCAACAAGACCAAGAAGACGG  
 AGGAGCTCCGAAAAACTGTGGAGACCTTGTGTTGATGATGATGATGATGATGATGATGATGATGATGATGAT  
 CCAAGAGATTGCTATGGAGCATTGTGTAAGAAGGTAGAGGCGGCCACTGTGCAGCCTGTGACCTTTTC  
 ATCCCATGCAGTTTGAATCATCAAAGCATCTCAAGACGATGGATCACAACCGAAACCGCAGGCTTA  
 TGATGGAGCAGTCCAAGAAGTCTCGCTTATGGTGGCCCGCAGTATTCTCAACAACAAGCTCATTAGCAA  
 GAAGCTGGAGCGATATCTGAAGGGCGAGAATCCTTTCACTGACAACCCAGAGGAGAAAAGAACAAAGAC  
 GAGGTGGAGGCTGGCGCTCTGGATGAAGGGGCACCAAGCGAAGCGACAGAGCTCACAGAGGGCTGCCGG  
 CACAGCCCCCGTGCCTTGGAGCCCGCCAGGGACTACAACACCGCCACCTCCGCCACCACCAGAAGA  
 GGAGGAGAGCCCTGTACCTTGTGGGGGAGCGCTGCAGTGTGATCCGCGGGATCCCGGGCCTCGAC  
 ATGGAAGACGACGAGGAGGGCGGTGGGGTCCA

**ACGCGT**ACGCGGCCGCTCGAG - GFP Tag - GTTTAA

**Protein Sequence:**

>MG209698 representing NM\_017476  
 Red=Cloning site Green=Tags(s)

MSYTFVQGSSETTLQSTYCDTSAQPTCDYGYGTWNSGTNRGYENYGYGYGQDNTTNYGYGMATSHSWE  
 MASSDTNANPSASGSASADSVLSRINQRLDMMPHLETDMIQGGVYGSGGERYDYSYACDSRAILSERDL  
 YRSSYDYGELDPEMEMAYEGQYDAYRDQFRMRGGDTFGPRAQGWARDARSGRPMASGYGRMWEDPMGARG  
 QCMPGASRLPSLFSQNI IPEYGMFQGMRGGGAFSGGSRFGFGNGMKQMRRTWKTWTTADFRTKKKKR  
 QGGSPDEPDSKARTRDCSDNSDSDNDEGTEGEAAEGTESAEAMEKGSRAEGEEDGKEDGREGKEDSEK  
 ALTAQDESSQAKRKLQAKKSKQKQKQRDRMVERIQFVCSLCKYRTFYEDEMGSHLDSKFHKEHFYV  
 GTKLPKQTADFLQEYVTNKKKTEELRKTVEDLDGLIQQIYRDQDLTQEIAHEHFVKKVEAAHCAACDLF  
 IPMQFGIIQKHLKTMHNRNRLMMEQSKKSSLMVARSILNNKLI SKKLERYLKGPNFTDNPEEEKEQD  
 EVEAGALDEGAPSEATEL TEGVPAQPPVPLEPAPGTTTPPPPPPEEEESPVPLLGALQCQIRGIPGLD  
 MEDDEEGGGP

**TRTRPLE** - GFP Tag - V

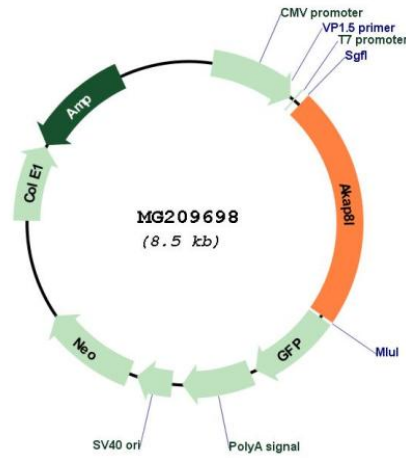
Restriction Sites: SgfI-MluI

Cloning Scheme:

Cloning sites used for ORF Shuttling:



Plasmid Map:



ACCN: NM\_017476

ORF Size: 1923 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_017476.2</a> , <a href="#">NP_059504.2</a>   |
| <b>RefSeq Size:</b>           | 2097 bp   |
| <b>RefSeq ORF:</b>            | 1926 bp   |
| <b>Locus ID:</b>              | 54194   |
| <b>Cytogenetics:</b>          | 17 B1   |