

## Product datasheet for **MR222356**

### **Gab2 (NM\_010248) Mouse Tagged ORF Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	Gab2 (NM_010248) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Gab2
Synonyms:	A1463667; D130058117Rik; p97
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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ORF Nucleotide  
Sequence:

>MR222356 ORF sequence  
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCCGCGATCGCC

ATGAGCGGCGCGCGCGGACGACGTGGTGTGTACCGGCTGGCTGAGAAATCGCCTCCCGAGAAGAAGT  
TGAGGCGCTATGCCTGGAAGAAACGCTGGTTTATACTTCGGAGTGGCCGAATGAGTGGAGATCCAGATGT  
TCTGGAATACTACAAGAATGAGCACTCCAAGAAACCCCTGCGGATCATCAACCTGAACCTGTGTGAGCAG  
GTGGATGCAGGCCTGACCTTCAACAAGAAAGAGCTGCAGGATAGTTTTGTGTTTATCAAGACCAGCG  
AGCGCACATTTTACCTGGTGGCTGAGACAGAGGCTGACATGAATAAGTGGGTCCAGAGCATCTGCCAGAT  
CTGCGGCTTCAATCAGGCTGAAGAGAGCACAGACTCCCTGAGGAACCTTTCTTCAGCCAGTCATGGTCCC  
CGCTCTTCTCCAGCTGAGTTCAGCTCCAGTCAGCACCTGCTCCGAGAACGGAAGTCTCAGCCCCCTCAC  
ACTCTAGCCAGCCTACTTTATTCAGTTTGAGCCCCCTGTGTCAAGCCACATGCAGCCTACCTTGTCCAC  
CAGTGCACCTCAGGAGTATCTCTACTTGCACCAGTGCATAAGCAGAAGGACAGAAAATGCAAGGAGTGCC  
AGCTTCTCTCAGGGCACCCGGCAGAAGAGTGATACAGCTGTGCAAAAACCTTGCCAGAGCAATGGACACT  
GTATCAACGGCGTCGGAGGTCAAGTCCATGGCTTCTATAGCCTTCCCAAGCCAAGCCGACACAATACAGA  
ATTCAAAGACAGTACTTATGATCTCCCACGGAGCCTGGCTTCCCATGGCCACACCAAGAGCAGCCTCACA  
GGGTCTGAGACTGATAACGAGGATGTGTACACCTTCAAGATGCCAGCAACACCTGTGTGCGGAACTTG  
GAGACCTCCTTGTGGACAATATGGATGTCCAACCACTCCTCTCTCAGCCTACCAGATCCCTAGAACTTT  
CACACTGGACAAGAACCACAATGCCATGACAGTGGCCACTCCTGGAGATTAGCCATAGCTCCCCACCC  
CGGCCACCAAGCAAGTCAGGCAGAAACCTCAATGGGGCAGCATTAGCAAAAGACCTCAATCAGCG  
AAAATAGCAGATCTGTAGCTGCTACTATCCCCAGGCGCAATACCCTCCCTGCAATGGACAACAGCCGACT  
CCATCGAGCTTCTTCTGTGAGACCTACGAGTACCCGGCACGAGGCAAGTGGGGAAAGTGCCAGCTGGTCT  
GCTGAACCTCCAGGAAAGACTGCCGTAGGTGATCAAATAGTGCCAGCTCTGATGACAACACTACGTGCCCA  
TGAACCCAGGTTCTTCTACCCTGCTGGCTATGGAACGACCAGGGGACAACCTCCAGAGTGTCTACATCCC  
CATGAGCCAGGACCCCATCACTTTGACCCACTTGGCTACCCGTCCACAGCCCTTCTATTACAGAGGC  
CCCAGCCGAGGAAGTGAATCCAGCCACCCCGGTCAACCGAAACCTCAAGCCTGACAGAAAAGCAAAGC  
CAACACCCCTTGACCTGAGAAACAACACTGTCTCGATGAGCTGCCCTTCAAGTCACTGTACCAAGTC  
TTGGTCCAGGATCAACAGCCACACCTTTAACTCCAGTTCTCCAGTACTGCCGTCCTATCTCCACACAG  
AGCATCACCAGCACAGACTCGGGAGACAGTGGGAGAACTATGTCCCTATGCAAAACCCAGTATCTGCAT  
CCCTGTTCCCAGTGGCCTAACAGCCAGCTCCAAGAAGAGTACTGGCAGTGTGGATTATCTCGCCCT  
GGACTTCCAGCCGGGCTCCCCAAGCCCTCACCGCAAGCCATCCACATCATCTGTACATCAGATGAGAAG  
GTAGACTATGTCCAAGTGGATAAAGAGAAGACCCAGGCCCTGCAGAACCCATGCAGGAGTGGACAGATG  
TGCGGCAGTCTCCGAACCTTCAAGGGTGCCAAGCTG

ACGCGTACGCGGCGGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA

**Protein Sequence:** >MR222356 protein sequence  
Red=Cloning site Green=Tags(s)

```

MSGGGGDDVVCTGWLRSPEPEKLRRYAWKKRWFILRSGRMSGDPDVLEYKNEHSKKPLRIINLNLCEQ
VDAGLTFNKKELQDSFVFDIKTSERTFYLVAETEADMNKWVQSIQICGFNQAEESTDSLRLSSASHGP
RSSPAEFSSSQHLLRERKSSAPSHSSQPTLFTFEPPVSSHMQPTLSTAPQEYL YLHQICISRRTENARSA
SFSQGTRQKSDTAVQKLAQSNHCINGVGGQVHGFYSLPKPSRHNTFEKDYDLPRSLASHGHTKSSLT
GSETDNEDEVYTFKMPNTLCRELDLLVDNMDVPTTPLSAYQIPRTFTLDKNHNAMTVATPGDSAIAPP
RPPKPSQAETPQWGSIQQRPPISENSRVAATIPRRNTLPAMDNSRLHRASSCETYEYPARGSGESASWS
AEPGKTAVGRSNSASSDDNYVPMNPGSSTLLAMERPGDNSQSVYIPMSPGPHFDPLGYPSTALPIHRG
PSRGSEIQPPPVRNLKPDRAKAPTPDLRNNTVIDELPKSPVTKSWSRINSHTFNSSSSQYCRPISTQ
SITSTSDSGDSEENYVPMQNPVSASPVSGTNSPAPKKSTGSDVYLALDFQPGSPSPHRKPSTSSVTSDEK
VDYVQVDKEKTQALQNTMQEWDVDRQSSEPSKGAKL
    
```

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

**Restriction Sites:**

SgfI-MluI

**Cloning Scheme:**



**ACCN:** NM\_010248

**ORF Size:** 1998 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\\_010248.2](#), [NP\\_034378.2](#)

**RefSeq Size:** 6008 bp

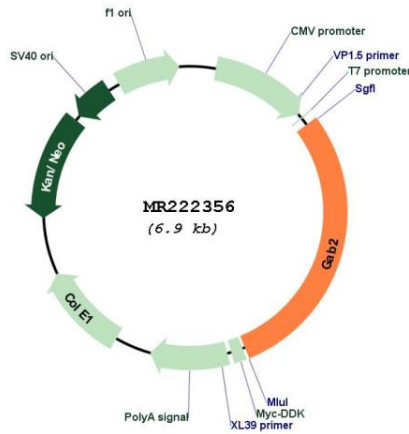
**RefSeq ORF:** 2001 bp

**Locus ID:** 14389

**Cytogenetics:** 7 E1

**MW:** 73.3 kDa

**Product images:**



Circular map for MR222356