

## Product datasheet for **MG222285**

### **Gab2 (NM\_001162477) Mouse Tagged ORF Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	Gab2 (NM_001162477) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Gab2
Synonyms:	A1463667; D130058117Rik; p97
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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**ORF Nucleotide  
Sequence:**

>MG222285 representing NM\_001162477  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGGATCGCC**

ATGAGCGGCGGCCGGCGGACGACGTGGTGTGTACCGGCTGGCTGAGGAAATCGCCTCCCGAGAAGAAGT  
 TGAGGCGCTATGCCTGGAAGAAACGCTGGTTTATACTTCGGAGTGGCCGAATGAGTGGAGATCCAGATGT  
 TCTGGAATACTACAAGAATGAGCACTCCAAGAAACCCCTGCGGATCATCAACCTGAACCTGTGTGAGCAG  
 GTGGATGCAGGCCTGACCTTCAACAAGAAAGAGCTGCAGGATAGTTTTGTGTTTATCAAGACCAGCG  
 AGCGCACATTTTACCTGGTGGCTGAGACAGAGGCTGACATGAATAAGTGGGTCCAGAGCATCTGCCAGAT  
 CTGCGGCTTCAATCAGGCTGAAGAGAGCACAGACTCCCTGAGGAACCTTTCTTCAGCCAGTCATGGTCCC  
 CGCTCTTCTCCAGCTGAGTTCAGCTCCAGTCAGCACCTGCTCCGAGAACGGAAGTCTCAGCCCCCTCAC  
 ACTCTAGCCAGCCTACTTTATTCAGTTTGTAGCCCCCTGTGTCAAGCCACATGCAGCCTACCTTGTCCAC  
 CAGTGCACCTCAGGAGTATCTCTACTTGCACCAGTGCATAAGCAGAAGGACAGAAAATGCAAGGAGTGCC  
 AGCTTCTCTCAGGGCACCCGGCAGAAGAGTGATACAGCTGTGCAAAAACCTTGCCAGAGCAATGGACT  
 GTATCAACGGCGTCGGAGGTCAAGTCCATGGCTTCTATAGCCTTCCCAAGCCAAGCCGACACAATACAGA  
 ATTCAAAGACAGTACTTATGATCTCCCACGGAGCCTGGCTTCCCATGGCCACACCAAGAGCAGCCTCACA  
 GGGTCTGAGACTGATAACGAGGATGTGTACACCTTCAAGATGCCAGCAACACCTGTGTGCGGAACTTG  
 GAGACCTCCTTGTGGACAATATGGATGTCCAACCACTCCTCTCTCAGCCTACCAGATCCCTAGAACATT  
 CACTGGACAAGAACCACAATGCCATGACAGTGGCCACTCCTGGAGATTAGCCATAGCTCCCCACCC  
 CGGCCACCAAGCCAAGTCAGGCAGAAACACCTCAATGGGGCAGCATTAGCAAAAGACCTCAATCAGCG  
 AAAATAGCAGATCTGTAGCTGCTACTATCCCCAGGCGCAATACCCTCCCTGCAATGGACAACAGCCGACT  
 CCATCGAGCTTCTTCTGTGAGACCTACGAGTACCCGGCACGAGGCAAGTGGGGAAAGTGCCAGCTGGTCT  
 GCTGAACCTCCAGGAAAGACTGCCGTAGGTGATCAAATAGTGCCAGCTCTGATGACAACACTACGTGCCCA  
 TGAACCCAGGTTCTTCTACCCTGCTGGCTATGGAACGACCAGGGGACAACCTCCAGAGTGTCTACATCCC  
 CATGAGCCAGGACCCCATCACTTTGACCCACTTGGCTACCCGTCCACAGCCCTTCTATTACAGAGGC  
 CCCAGCCGAGGAAGTGAATCCAGCCACCCCGGTCAACCGAAACCTCAAGCCTGACAGAAAAGCAAAGC  
 CAACACCCCTTGACCTGAGAAACAACACTGTATCGATGAGCTGCCCTTCAAGTCACTGTACCAAGTC  
 TTGGTCCAGGATCAACAGCCACACCTTTAACTCCAGTTCTCCAGTACTGCCGTCCTATCTCCACACAG  
 AGCATCACCAGCACAGACTCGGGAGACAGTGGGAGAAGTATGTCCCTATGCAAAACCCAGTATCTGCAT  
 CCCTGTTCCCAGTGGCCTAACAGCCAGCTCCAAGAAGAGTACTGGCAGTGTGGATTATCTCGCCCT  
 GGACTTCCAGCCGGGCTCCCCAAGCCCTCACCGCAAGCCATCCACATCATCTGTACATCAGATGAGAAG  
 GTAGACTATGTCCAAGTGGATAAAGAGAAGACCCAGGCCCTGCAGAACCCATGCAGGAGTGGACAGATG  
 TGCGGCAGTCTCCGAACCTTCAAGGGTGCCAAGCTG

**ACGCGT**ACGCGGCCGCTCGAG - GFP Tag - GTTTAA

**Protein Sequence:** >MG222285 representing NM\_001162477  
 Red=Cloning site Green=Tags(s)

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MSGGGGDDVVCTGWLKSPPEKKLRRYAWKKRWFILRSGRMSGDPDVLEYKNEHSKKPLRIINLNLCEQ
VDAGLTFNKKELQDSFVFDIKTSERTFYLVAETEAMNKWVQSIQCICGFNQAEESTDLSLRLSSASHGP
RSSPAEFSSSQHLLRERKSSAPSHSSQPTLFTFEPPVSSHMQPTLSTAPQEYL YLHQICISRRTENARSA
SFSQGRQKSDTAVQKLAQSNHCINGVGGQVHGFYSLPKPSRHNTFEKDYDLPRSLASHGHTKSSLT
GSETDNEVDVYTFKMPNLTCRELGDLLVDNMDVPTTPLSAYQIPRTFTLDKNHNAMTVATPGDSAIAPPP
RPPKPSQAETPQWGSIQQRPPISENSRVAATIPRRNTLPAMDNSRLHRASSCETYEYPARGSGESASWS
AEPGKTAVGRSNSASSDDNYVPMNPGSSTLLAMERPGDNSQSVYIPMSPGPHFDPLGYPSTALPIHRG
PSRGSEIQPPPVRNRLKPDRAKAPTPDLRNNTVIDELPFKSPVTKSWSRINSHTFNSSSSQYCRPISTQ
SITSTDSGDSEENYVPMQNPVSASVPVSGTNSPAPKKSTGSDVYLALDFQPGSPSPHRKPSTSSVTSDEK
VDYVQVDKEKTQALQNTMQEWTVDVRSSEPSKGAKL
  
```

TRTRPLE - GFP Tag - V

**Restriction Sites:**

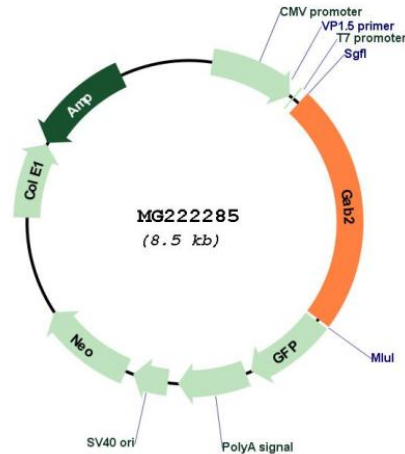
SgfI-MluI

**Cloning Scheme:**

Cloning sites used for ORF Shuttling:



## Plasmid Map:



ACCN: NM\_001162477

ORF Size: 1995 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\\_001162477.1](#), [NP\\_001155949.1](#)

RefSeq Size: 6005 bp  
RefSeq ORF: 1998 bp  
Locus ID: 14389  
Cytogenetics: 7 E1