

Product datasheet for **MG210089**

Gab1 (NM_021356) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Gab1 (NM_021356) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Gab1
Synonyms:	AA408973; AW107238
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



[View online »](#)

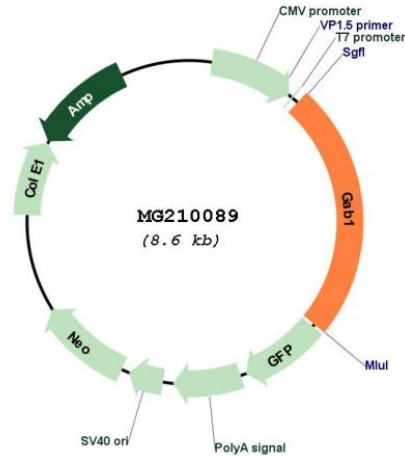
**ORF Nucleotide
Sequence:**

>MG210089 representing NM_021356
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGAGCGGCGCGAAGTGGTTTGTCTCGGGATGGCTCCGCAAGTCGCCCGGAGAAGAAGTTGAAGCGTT
 ATGCGTGAAGAGAAGGTGGTTTGTGTTGCGCAGTGGCCGTTTACTGGAGACCCGGATGTCCTGGAGTA
 TTACAAAAACGATCATGCCAAGAAGCCTATTTCGGATTATTGATTTAAATTTATGTCAGCAAGTTGATGCT
 GGGTTGACATTCAACAAAAAGGAGTTTAAAAACAGCTATATCTTTGATATCAACACCATCGACCGGATTT
 TCTACTTGGTGGCAGATAGTGAGGAAGACATGAACAAGTGGTCCGTTGTATCTGTGACATCTGTGGATT
 CAATCCCACAGAAGAAGATCCTGTGAAGCCGTGACTGGCTCCTCACAAGCACCCGTCGATTACCTTTTC
 GCTATAAGTACAGCACCAGCCTCCAGTCAGATGGAAGCTTCTTCAGTCGCGCTACCTCCTCCTTACCAGG
 TCATCAGCCTTCCGCCACACCCAGACACCCTCGGCCTCCAGGACGATCCACAAGACTACCTTTGCTGAT
 CAACTGTCAAAGCAAGAAGCCTGAACCTAACAGAACCTCTTTGACTCTGCCAAGCCACCTTTTCTGAG
 ACAGACTGCAATGACAAGTCCCTTCCCACCAGACTCCTGCTTCTCCCAGAGCAAAACACGGAATGAATG
 GCTTTTTCCAGCAACAAATGATGTATGACTGCCACCCGTCGCCGGTGTGACATCTGTCTCGGGAGAGTCCAG
 CCTCTATAACCTGCCCAGGAGCTATTCCCATGACGTGTTGCCAAAGGAATCCCCATCAAGCACGGAGGCC
 GACGGGGAGCTGTACACCTTTAACACCCCATCTGGGACTGCAGGTGTAGAAAACGCAGATGAGACATGTAT
 CCATCAGTTACGACATTCGCGCAACACCTGGCAACACTTACCAGATCCCACGGACATTTCCAGAAAGCAC
 ACTGGGACAGTCATCAAAGCTGGACACCATTCTGATATCCCCCACCTCGGCCACCAAAGCCACATCCA
 ACTCATGACCGGTCTCCTGTGAAACGTGTGGAGTCCCACGCACGGCCTCGGACACTGACAGCAGTTACT
 GTATCCCTCCTCCAGCAGCATGACGCCCTCCCGGAGTAATACCATTTCCACCGTGGATTTGAACAAGTT
 GCGGAAAGATGCTAGTTCTCAAGATTGCTATGATATTCCACGGACCTTTCCGAGCGATAGATCTAGTTCC
 CTGGAAGGCTTCCATAGCCAGTATAAAATCAAAAGCGTGTGACAGCGGGAGGTGTCTCGGGTGAAGAGC
 TGGATGAGAACTACGTTCCCATGAACCCCAACTCGCCACCTCGACAACATTCCGGCAGCTTTACCGAGCC
 AATCCAGGAGCCAAACTATGTGCCAATGACCCCAGGGACCTTTGACTTTTCTTCTTTGGAATGCAAGTC
 CCTCCTCTGCTCATATGGGCTTCAGGTCCAGCCAAAGACCCCTCCCAGGAGGCCAGTTCTGTGCTG
 ACTGTGAACCACCCCGGTGGATAGGAACCTCAAGCCAGACAGAAAAGTCAAGCCGGCACCTTTAGACAT
 AAAACCTCTGTCAGAATGGGAAGAGCTGCAAGCCCAAGTCAGATCTCCATCACCAGGAGCTTCGCTCGG
 GACTCCTCTAGGTTTCCCATGTCCCTCGGCCTGATTCTGTGCACAGTACGACATCGAGCAGCGACTCTC
 ATGACAGTGAAGAGAATATGTCCCATGAATCCAAATCTGTCTGGCGAAGACCCGAATCTCTTTGCCAG
 CAACAGCCTTGATGGGGGAGCAGCCCGATGAATAAACCCAAAGGAGACAAACAAGTCAATAACCTGGAT
 TTAGACCTAGATTCTGGGAAGTCCACGCCACCAGGAAGCAAAAGAGCAGTGGTTCTGGCAGCAGCATGG
 CAGACGAGAGGGTGGATTACGTTGTGGTGGACCAACAGAAGACTCTGGCCCTGAAGAGTACCAGAGAAGC
 TTGGACGGATGGGAGGCAGTCCACAGAGTCCGAGACACCCACCAAGAATGTGAAG

ACGCGTACGCGGCCGCTCGAG – GFP Tag – GTTTAA

Plasmid Map:


ACCN: NM_021356

ORF Size: 2085 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_021356.2](#), [NP_067331.2](#)

RefSeq Size: 4877 bp

RefSeq ORF: 2088 bp

Locus ID: 14388

UniProt ID: Q9QYY0

Cytogenetics: 8 C2

Gene Summary: Adapter protein that plays a role in intracellular signaling cascades triggered by activated receptor-type kinases. Plays a role in FGFR1 signaling. Probably involved in signaling by the epidermal growth factor receptor (EGFR) and the insulin receptor (INSR). Involved in the MET/HGF-signaling pathway.[UniProtKB/Swiss-Prot Function]