

Product datasheet for **MR230385**

Gabrq (NM_001290435) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Gabrq (NM_001290435) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Gabrq
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



[View online »](#)

ORF Nucleotide Sequence:

>MR230385 representing NM_001290435
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**GCGATCGCC**

ATGGGCATCCGAGGTATGCTGCGAGCCGCTGCGCTCCTGTGCTCATTAGGACTTGGCTGGCAGAGAGTA
 ACGGCCCCAGTCCACCCGAAATTCACCTTCGAGCTCTCTCCAGCACGCCTGAAGTCATTCTGGATCT
 CTTCAACTGCAAAAAGTGTGCAAAATGAAGCTGTGGTTCAAAGATTTTGGACAGGGTGTGTCAACATAT
 GATGTCCGACTTAGACCAAATTTTGGAGGAGCTCCTGTGCCTGTGTCAATCTATCTATGTGTCCAGTA
 TTGAACAGATCTCAGAAATAAATATGGACTATAACAATCACAATGTTTTTGCATCAGACCTGGAAGGACAC
 ACGCTTAGCTTACTATGAAACCAACCTAAACCTGACCCTGGATTATCGGATGCATGAGAAGCTCTGGGT
 CCTGACTGCTACTTTGTGAATAGCAAAGATGCCTTTGTGCATGATGTAAGTGTGGAGAATCGTGTATTT
 AACTTCACCCAGATGGGACAGTGCATATGGCATCCGACTTACCACAACAGCAGCCTGTTCCCTGGATCT
 GCAAAAATTCCTATGGACAAACAATCCTGCAAGCTGGAGGTGGAGAGCTATGGTACACGTGCGAAGAC
 ATTGTTATCCTGGGAAGATGATAATGCCATCCACATTACTGATGGGCTGCATATCCCTCAGTACACGT
 ACCTGGGAGAACAAATTACCAGCAAGGAAGTACTTCTACACAGGCTCCTACATGCGCCTGATAGTGAA
 GTTCCAGGTTCCAGAGGAAGTCCGAGTTACCTTGTGCAGGTCTATTGGCCCACGGTCTCACCACCATT
 CTCTCCTGGATATCATTTTGGATGAAGTATGATTCCTCTGCAGCCAGGGTAACTATTGGACTAACTTCGA
 TCCTTGTCTGACTACCATCGACTCACATATGCGGGATAAACTCCCCATATTTCTGTATCAAAGCTAT
 TGACATCTACATCCTTGTATGCCTATTCTCGTTTTCTGTCAGTCTGCTGGAGTATGTCTACATCACTAC
 CTTTTCTCAGCCAAGTACCTCGCGTAATCACAGAAGATGCAGGAAACCCAGGAGATTGTTGCCCGAT
 ACCGCTACCAAGAAGTGGTGGTAGCAAAATGTGCAGGATGCCTGATTAATGTGGAAGACAGATAGAAGA
 CAGAGCTGGTCCCCTTCCCTGACAGCCCCATGCAGGCTCATCTGGCAAGCCAGGAAAGTCTAGGATCCTTG
 GTTTCACATCAGAGCAGGCCAGCTGGCTACCTCAGAAAGTCTCAGTCTACTCTCTTCTGCCTCAAGCC
 AGACTCAATTGGCCACTGGAGAAAGCCTGAGTGTCTGCCTCCACCTCTGAGCAAAACAGTGCCTGAGTG
 TACCATTCACTTTCATGGCTTTCTTACTAATGACAGTATTATCCCATCAAAATCCACAGCCGATCTGAT
 GCCTGTGATGATGAAGACTCCGAAGAAAGCCTAAGCTCTGAGGAGAGCCATGGCCATGGAAGCAGCCACA
 CTGGAAGGCTCAAGCTCCAGATTAGCCAGAGTGCA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>MR230385 representing NM_001290435
 Red=Cloning site Green=Tags(s)

MGIRGMLRAAALLLLIRTWLAESNGPSPTPKFHFELSSSTPEVILDLFNCKNCANEAVVQKILDRVLSTY
 DVRLRPNFGGAPVPVSVSIYVSSIEQISEINMDYITMFLHQTKDTRLAYYETNLNLTLDYRMHEKLWV
 PDCYFVNSKDAFVHDVTVENRVFQLHPDGTVRYGIRLTTAAACSLDLQKFPMDKQSKLEVESYGYTVED
 IVLSWEDDNAIHIIDGLHIPQYTYLGRITTSKEVYFYTGSMRLIVKFQVQREVRSYLVQVYWPVLTITI
 LSWISFWMNYDSSAARVTIGLTSILVLTIDSHMRDKLPHISCIKAIDIYILVCLFFVLSLLEYVYINY
 LFFSQVPRRNHRRCRKPRRVVARYRYQEVVAVNVQDGLINVEDRVEDRAGPLPDSMPQAHLASQESLGS
 VFTSEQAQLATSESLSLLSSASSQTQLATGESLSDLPSTSEQTVPECTIHFHGF LTNDSIPIKIHSRSD
 ACDDDESEESLSSEESHGHSHTGRLKLQISQSA

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

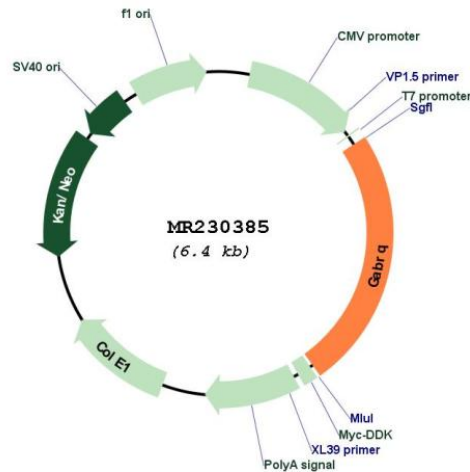
Sgfl-MluI

Cloning Scheme:

Cloning sites used for ORF Shutting:



* The last codon before the Stop codon of the ORF

Plasmid Map:


ACCN: NM_001290435

ORF Size: 1575 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_001290435.1](#), [NP_001277364.1](#)

RefSeq Size: 4943 bp

RefSeq ORF: 1578 bp

Locus ID: 57249

Cytogenetics: X A7.3

MW: 60.1 kDa

Gene Summary: GABA, the major inhibitory neurotransmitter in the vertebrate brain, mediates neuronal inhibition by binding to the GABA/benzodiazepine receptor and opening an integral chloride channel.[UniProtKB/Swiss-Prot Function]