

Product datasheet for **MC228174**

Gabrq (NM_001290435) Mouse Untagged Clone

Product data:

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



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Fully Sequenced ORF: >MC228174 representing NM_001290435
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGGGCATCCGAGGTATGCTGCGAGCCGCTGCGCTCCTGTGCTCATTAGGACTTGGCTGGCAGAGAGTA
 ACGGCCCCAGTCCCACCCGAAATTCACCTTCGAGCTCTCTCCAGCACGCCTGAAGTATTCTGGATCT
 CTTCAACTGCAAAAAGTGTGCAAAATGAAGCTGTGGTTCAAAGATTTTGGACAGGGTGTGTCAACATAT
 GATGTCCGACTTAGACCAAATTTTGGAGGAGCTCCTGTGCCTGTGTGAGTATCTATGTGTCCAGTA
 TTGAACAGATCTCAGAAATAAATATGGACTATAACAATCACAATGTTTTTGCATCAGACCTGGAAGGACAC
 ACGCTTAGCTTACTATGAAACCAACCTAAACCTGACCCTGGATTATCGGATGCATGAGAAGCTCTGGGT
 CCTGACTGCTACTTTGTGAATAGCAAAGATGCCTTTGTGCATGATGTAAGTGTGGAGAATCGTGTATTT
 AACTTCACCCAGATGGGACAGTGCATATGGCATCCGACTTACCACAACAGCAGCCTGTTCCCTGGATCT
 GCAAAAATTCCTATGGACAAACAATCCTGCAAGCTGGAGGTGGAGAGCTATGGCTACACTGTGCAAGAC
 ATTGTGTTATCCTGGGAAGATGATAATGCCATCCACATTACTGATGGGCTGCATATCCCTCAGTACACGT
 ACCTGGGGAGAACAATTACCAGCAAGGAAGTACTTCTACACAGGCTCCTACATGCGCCTGATAGTGAA
 GTTCCAGGTTCCAGAGGAAGTCCGAGTTACCTTGTGCAGGTCTATTGGCCCACGGTCTCCACCACCATT
 CTCTCCTGGATATCATTTTGGATGAACTATGATTCCTCTGCAGCCAGGGTAACTATTGGACTAACTTCGA
 TCCTTGTCTGACTACCATCGACTCACATATGCGGGATAAACTCCCCATATTTCTGTATCAAAGCTAT
 TGACATCTACATCCTTGTATGCCTATTCTCGTTTTCTGTCAGTGTGGAGTATGTCTACATCAACTAC
 CTTTTCTCAGCCAAGTACCTCGGCCTAATCACAGAAGATGCAGGAAACCCAGGAGAGTTGTTGCCGAT
 ACCGCTACCAAGAAGTGGTGGTAGCAAAATGTGCAGGATGCCTGATTAATGTGGAAGACAGAGTCAAGAG
 CAGAGCTGGTCCCCTTCCCTGACAGCCCCATGCAGGCTCATCTGGCAAGCCAGGAAAGTCTAGGATCCTTG
 GTTTCACATCAGAGCAGGCCAGCTGGCTACCTCAGAAAGTCTCAGTCTACTCTTTCTGCCTCAAGCC
 AGACTCAATTGGCCACTGGAGAAAGCCTGAGTGTCTGCCTCCACCTCTGAGCAAAACAGTGCCTGAGTG
 TACCATTCACTTTCATGGCTTTCTTACTAATGACAGTATTATCCCCATCAAATCCACAGCCGATCTGAT
 GCCTGTGATGATGAAGACTCCGAAGAAAGCCTAAGCTCTGAGGAGAGCCATGGCCATGGAAGCAGCCACA
 CTGGAAGGCTCAAGCTCCAGATTAGCCAGAGTGCAT**AG**

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

- Restriction Sites:** Sgfl-Mlul
- ACCN:** NM_001290435
- Insert Size:** 1578 bp
- OTI Disclaimer:** Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).
- OTI Annotation:** Clone contains native stop codon, and expresses the complete ORF without any c-terminal tag.
- 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

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]
Transcript Variant: This variant (1) represents the longer transcript and encodes the shorter isoform (a).