

Product datasheet for **MG224108**

Gucy2c (NM_001127318) Mouse Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: GuCy2c (NM_001127318) Mouse Tagged ORF Clone
Tag: TurboGFP
Symbol: GuCy2c
Synonyms: A1893437; GC-C; Gcc
Mammalian Cell Selection: Neomycin
Vector: pCMV6-AC-GFP (PS100010)
E. coli Selection: Ampicillin (100 ug/mL)
ORF Nucleotide Sequence: >MG224108 representing NM_001127318
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGACGTCAGTCTGGGCTTGGCTGTGCGGTTACTGCTCTCCAGCCCGCTGATGGTGTCTGGGCT
 CTCAGGTGAGGCAGAAGTCCGCAATGGCAGCTACGAGATCAGCGTCCTGATGATGGACAACCTCAGCCTA
 CAAAGAACCTATGCAAAACCTGAGGGAGGCTGTGGAGGAAGGACTGGACATAGTGCAGAAAGCGCCTGCGT
 GAAGCCGACCTAAATGTGACTGTGAACCGGACTTTCATCTACTCCGACGGTCTGATTCATAAGTCAGGTG
 ACTGCCGAGCAGCACCTGTGAAGGCCTTGACCTACTCAGGGAGATTACAAGAGATCATAAGATGGGCTG
 CGCCCTCATGGGGCCCTCGTGCACGTATCCACCTTCCAGATGTACCTCGACACAGAGTTGAACTATCCC
 ATGATTTCCGCTGGAAGTTATGGATTGTCTGTGACTATAAGGAAACCCTAACCCAGGATCCTGCCTCCAG
 CCAGGAAGCTGATGACTTCTTGGTTCGATTTCTGGAAAGTCAACAATGCATCTTTCAAACCTTTTCTCTG
 GAACTCTTCGATGTTTACAAGAATGGATCGGAACCTGAAGATTGTTCTGGTACCTCAATGCTCTGGAG
 GCTGGGTGTCCTATTTTCTGAGGTGCTCAACTTCAAGGATGTACTGAGACGCAGCGAACAGTTCCAGG
 AAATCTTAACAGGCCATAACAGAAAGAGCAATGTGATTGTTATGTGTGGCAGCCAGAAAGCTTCTATGA
 TGTGAAAGGTGACCTCCAAGTGGCTGAAGATACTGTTGTATCCTGTTAGATCTGTTGAGTAAACATTAC
 TTTGAGGAGAACCACAGCTCCTGAGTATATGGACAATGTCCTCGTCCGCTGACGCTGCCGCTGAACAGT
 CCACCTCAAACACCTCTGTGCGGAGAGGTTTTTCATCGGGGAGAAGTGACTTTTCTCTCGCTTACTTGG
 GGAACCTTGCTATTTGGACACATGCTGCAGACGTTTCTTGAATAAGGAGAAATGTCACGGGTCCCAAG
 TTTGCTCGTGATTCAGGAATCTCACTTTTCAAGGCTTTGACAGGACCTGTGACTCTGGATGACAGTGGG
 ACATTGACAACATTATGTCCTTCTGTATGTGTCTCTGGATACCAGGAAATACAAGGTTCTTATGAAGTA
 TGACACCCACAAAAACAAACTATTCCGGTGGCTGAGAACCCCAACTTCATCTGGAAGAACCACAAGCTC
 CCCAATGACGTTCTGGGCTGGGCCCTCAAATCCTGATGATTGCCGTCCTCACGCTCACGGGATCTGG
 TAGTTCTGCTGCTGATTGCCCTCCTCGTGTGAGAAAATACAGAAGAGATCATGCACTTCGACAGAAAGAA
 ATGGTCCACATTCCTTCTGAAAACATCTTCTCTGGAGACCAACGAGACCAACCATCAGCCTGAAG



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Cloning Scheme:


ACCN: NM_001127318

ORF Size: 3216 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_001127318.1](#), [NP_001120790.1](#)

RefSeq Size: 3951 bp

RefSeq ORF: 3219 bp

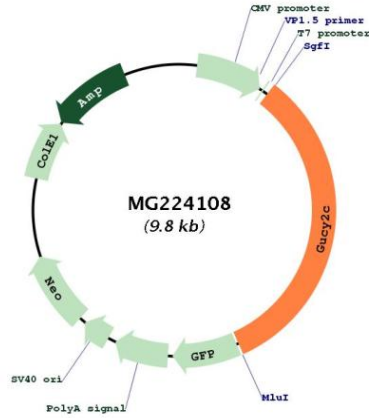
Locus ID: 14917

UniProt ID: [Q3UWA6](#)

Cytogenetics: 6 66.67 cM

Gene Summary: Receptor for the E.coli heat-stable enterotoxin (E.coli enterotoxin markedly stimulates the accumulation of cGMP in mammalian cells expressing GC-C). Also activated by the endogenous peptide guanylin (By similarity).[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MG224108