

Product datasheet for **RR214163**

Gucy1a2 (NM_023956) Rat Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Gucy1a2 (NM_023956) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Gucy1a2
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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ORF Nucleotide Sequence:

>RR214163 representing NM_023956
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTGCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGTCCTCGCAGGAAGATTTCATCCGAGTCTTCAGCTCTCTGGGCTCCGATTACCTGGAGACCAGCCCGG
 AAGAGGAAGGGGAATGCCCTTGTCTAAGCTCTGCTGGAATGGCAGCCGAGCCCGCCAGGGCCACCTGG
 CTCAGAGCAGCCGCTATGGCTGCCACCCAGTCCCGCTGCCTCTGTGCTGCGGCAGCTGCTGCAGTC
 GCCGCCGGTCCAAGAGAGCCCAACGCCCGGAGGGTCAACCTGGACTCACTGGGCAGAGTATCAGTC
 TCCTGACGGCGCCCTCGCCTCAGACGATACACATGACTCTCAAGAGGACATTGCAGTATTATGAACATCA
 AGTTATTGGTTATAGGGATGCAGAAAAGAATTTCCACAATATCTCTAATAGATGCTCCTCTGCAGACCAT
 TCCAACAAAGAGGAAATGAAGATGTCTCAGGAATTTCTCGGTGACTGCAAATGACTCGGACTGAAGT
 TCCAAGAAATTCAGAGAGGTTTGGTGAGGAATCTTTAAGATATGCTTTGATGAGAATGAGCGAGTCTCT
 TCGAGCTGATGGCAGCACATTGCAGGATTTCTCAATGGCTTCGATGCATTGTTGGAACACATTAGGACT
 TCAATTTGGGAAACAGGCCACTCTAGAGTACCATCTTTCTATGCAAAGAGCTTCTGAAGGTACTCTCA
 AACTCCACTACTTCCACCCACCACATACAGTGGGCTTCGCAATGCTGGGAATGATCAAGGCTGCAGGAAA
 GAGAATCTATCACTTAAATGTGGAAGTTGAACAAATTGAAAATGAGAAATTTTGCTGTAGGTTCAACC
 CCAAGCAATTATAGTGTCTTACCTTCTTATCAAAGAATGTGAGACTACTCAGATCACAAAAGAACATTC
 CACAAGTACTTCCAAATTCCTACAGACCTCAGAATCAGTATCAACACCTTCTGCAGAACCTTCCCATT
 CCATTTGATGTTGACCCTAACATGGTGGTCTTCAACTTGGAGAGGGCTACGAAAGCAACTTCGATGT
 GACAATCACAAGTACTGAAGTTTGAGGACTGTTTTGAGATCGTCTCTCAAAGGTTAATGCCACTTTTG
 ATAGACTTTGCTACGATTGTCACCCATTTGTGATAAGGACAAAGCCTGAAGCTTCTGGTACTGACAA
 TGAAGATAAGGTGATGGAAATCAAAGGACAAATGATCCATGTCCAGAATCAAATGCCATTTGTTTTTG
 GGCTCTCCATGTGTGGACAAGTTGGATGAACTCATAGGCCGAGGACTGCATCTCTCAGACATCCCCATTC
 ATGATGCCACTCGAGATGTCATTTTAGTTGGAGAGCAAGCAAAGGCCAGGATGGCTTGAAAAAGAGGAT
 GGATAAATTAAGCCACCTTAGAAAAACTCACAGGCCCTGGAAGAAGAGAAAAAGACAGTGGAT
 CTGCTGTATTCCATTTCCCTGGTGTGTAGCCAGCAGTTGTGGCAACGACAGCAAGTACAGGCCAGAA
 AGTTTGATGATGCTACTATGCTCTTCTGACATTGTGGGCTTCACAGCTATATGTGCCAGTGTACTCC
 CATGCAGGTGATCAGCATGCTCAATGAACCTTACACGAGATTTGATCACCAAGTGTGGCTTTTTGGATATT
 TACAAGGTAGAAACAATAGGGGACGCATACTGTGTTGCATCAGGGCTTCACAGGAAAAGCCTATGCCATG
 CGAAGCCATTGCTCTGATGGCCTTAAAGATGATGGAGCTTTCAGAAGAGGTTTCTGACTCCTGATGGAA
 ACCCATTCAGATGCGGATAGGCATTCATTAGGCTCTGTGCTAGCTGGTGTGGTGGAGTGAGAATGCCG
 CGATATTGCTTTTTGGAATAATGCTACTCTGGCAAGCAAATTTGAATCTGGAAGTATCCTCGGGCGCA
 TCAACATCAGCCCACTACTTACCAATTAATAAACGAGAAGACAGTTTACATTTATTCCTCGTTCTCG
 TGAAGAACTTCCAGACAACCTTCCAAAGGAAATCCCTGGGGTCTGCTATTTCTGGAGTTAAGGACTGGC
 CCAAAGCCACAAAGCCATCCCTGTCTTCATCGAGAATAAAAAAGGTTTCTACAATATTGGCACGATGT
 TCCTCCGAGAACTAGCCTC

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

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_023956.1](#), [NP_076446.1](#)

RefSeq Size: 2657 bp

RefSeq ORF: 2193 bp

Locus ID: 66012

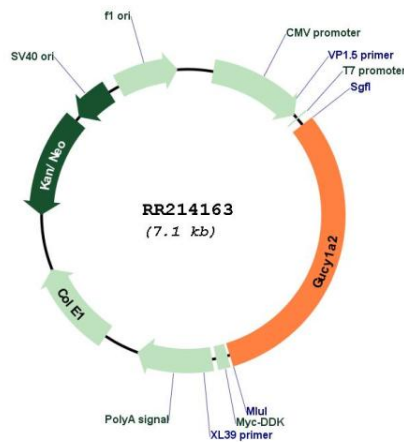
UniProt ID: [Q9WVI4](#)

Cytogenetics: 8q11

MW: 81.8 kDa

Gene Summary: guanylyl cyclase that is nitric oxide-sensitive [RGD, Feb 2006]

Product images:



Circular map for RR214163