

Product datasheet for RN202452

Gucy2f (NM_053831) Rat Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Gucy2f (NM_053831) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Gucy2f
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin
Fully Sequenced ORF:	>RN202452 representing NM_053831 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGTTCTCGGACCTGGCCTTTTTCTCGCCTTCTGTCTGGTTTGCATTTCAGCAGACTGTCAGGAC
AGCATGGCCTCACTTCTCCAAGTTCTGAGATACTTGTGCTCCTGGCCCTATTACCTCTCATATGGTG
GGGCAAGCACTCCCCTACAAGATAGGGGTCATAGGTCCTGGACATGTGATCCGTTCTTTTCCAAGGCC
CTGCCTGAGGTTGCTGCCGCTTTAGCAATTGAACGAATCAGCCGGACATGTCATTTGACAGAAGTTACT
CCTTCGAATATGTGATTCTTAACGAAGATTGCCAGACTTCAAAGGCCCTACCAGTTTTATTTCCACCA
GCAGATGGCCTCAGGATTTGTTGGGCTGCCAACCTGGCTACTGTGAGGCAGCCTCACTCCTGGGAAAC
AGCTGGGACAAAGGATTTCTCTTGGGCTTGTGAATCATGAATTAGATAACAAACATAGCTACCCGA
CTTTTTCTCGGACACTTCTTCTCCTATCCGGGTGCTTGAACCGTCATGAAGTATTTCCAGTGGGCTCA
TGCTGGGGTCATTTCTCAGATGAAGACATTTGGGTGCATACAGCCAATCAAGTCTCAAGTGTCTTCGG
AGCCACGGCTACCTGTAGGGTCGTCTGACCTCGGGACAAGACAGCCGTAGCATTAGAAAGCTCTGC
AGCAGATTCGCCAGGCAGACAGAATTCGCATAATCATCATGTGTATGCATTACGCCTTGATTGGGGGAGA
GACTCAGACACACTTCTTGAATTGGCTCATGATCTGAAAATGACGGATGGGACTTACGTCTTTGTCCCC
TATGATGTACTGCTCTACAGTTTACCTTATAAGCACAGCCCTACCAGGTCTGAGGAACAAATCAAAGC
TCCGGGAAGCCTATGATGCTGTGTTGACTATTACAGTGGAGTCCCATGAAAAGACCTTCTATGAAGCCTT
TACAGAAGCAGCAGCCGGTGGAGAGATTCTGAGAAGCTTGACTCACACCAAGTTTACCCTGTTTGGGA
ACCATCTACAATTCATTTACTTATCGCACAAGCCATGAGTAATGCTCTGAAAGAAAATGGACAGGCTA
GCGCTGCCAGCCTGACTCGGCATTCCAGAAACATGCAGTTCTATGGATTCAACCAAGTTGATAAGGACAGA
CTCAAATGGAAATGGAATTTCTGAATACGTAATCCTGGACACCAATGGGAAAGAAATGGAACTCCGTGGC
ACCTACTGTGGACATGAAACTGAATGCTAAGGTTGAGGGACCCCAATTCATTTCCAGGTGGCA
GGCCTACTAGCGCAGATGCAAAATGCTGGTTTGCACAAGGGAAGATCTGCCAAGGAGGATTTGACCCCTGC
CTTAGCCATGATGGTCTGCTTTGCTTTGCTTCTAGCCTTGTGTATCAATGGATTTGCTTACTTTATC
AGGCGACGTATAAATAAAATCCAGTTGATTAAAGGACCCAACAGAATCCTGCTGACTTTGGAAGATGTGA
CATTTTAAACCCCACTTTGGCAGTAAGAGAGGAAGCCGTGCCAGTGAAGCTTCCAGATTATCTCAGA
AGTTCAAAGTGGGAGGTCTCCAAGGCTGCATTTTCTTCAGGTAGTTAACTCCAGCTACTTATGAGAAC



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TCCAACATAGCAATCTACCAGGGTGACTGGGTATGGCTGAAAAAGTTCCTCCTGGAGATTTGGGGACA
 TTAAGTCTATCAAATCAAGTGAAGTGATGTGTTGAAATGATGAAGGACCTGCGGCATGAAATGTCAA
 CCCTTTATTGGGCTTCTTCTATGATTCGGGGATGTTTGCCATCGTGTGAGAAATTTGTTCTCGAAGGAGC
 CTAGAAGACATACTTACACAAGACGATGTGAAACTTGATTGGATGTTCAAATCATCACTGCTGCTTGACC
 TCATCAAGGGAATGAAATACTTACACCACAGAGAATTTATTCATGGGAGGCTAAAGTCTCGGAACGTGTG
 GGTAGACGGACGTTTTGTACTAAAAGTGACAGATTATGGCTTAAATAACATTTTGAAGTCTGAGACTC
 TCTGAAGAGGAACCTTCTGAAGAAGAGCTGTGGACGGCCCTGAACGTGTTAAGAGCCCTGGGGGTA
 TCAGGTTAGGTTCAATTTGCAGGAGACGTCTATAGCTTTGCCATCATCATGCAAGAAGTGATGGTCCGGGG
 TGCTCCTTTCTGCATGATGGATCTGTCTGCCAAAGAGTCATAGACAGACTTAAAATGCCTCCCCCTGTG
 TATAGACCAGTGGTTTCTCCTGAGTTTGCCCTCCAGAGTGTCTCCAGCTGATGAAGCAATGCTGGGCCG
 AGGCTGCAGAACAGCGACCAACTTTTGATGAAATATTTAACCAGTTTAAAACCTTCAACAAAGGGAAAA
 AACTAATATTATTGATTCTATGCTCCGGATGTTGGAGCAGTATTCTAGCAACTTGGAAAGATTGATCCGG
 GAACGGACTGAAGAACTGGAATTTGAAAAACAGAAAACGAAAAGCTTCTAACACAGATGCTACCACCAT
 CAGTTGCTGAATCCCTCAAAAAGGGCTGTACAGTGAACCTGAGGGATTGACTTGGTACCTTGTACTT
 CAGTGACATTGTGGGCTTACCACCATCTCAGCCATGAGTGAGCCATTGAAGTGGTGGACCTTCTGAAT
 GACCTGTACACACTCTTTGATGCCATCATTGGCAGTCATGATGTCTATAAGGTAGAGACCATTGGAGATG
 CCTATATGGTGGCCTCAGGCCTCCCAAAGAGGAACGGCAGTAGGCATGCAGCTGAGATTGCAAAATGTC
 CCTGGATATTCTGAGCTCTGTGGGTACCTTAAAGATGCGACACATGCCAGAGGTGCCAGTCCGGATTCTGA
 ATAGGTCTGCACACAGGGCCTGTTGTTGCTGGAGTGGTGGGCCTTACCATGCCTAGATATTGCTTGTGTTG
 GTGATACTGTGAATACAGCTTCTCGAATGGAATCAACGGGGCTACCATACCGAATTCATGTCAGTCTCAG
 CACAGTAACAATCTTCGGACTCTGAGTGAAGGCTATGAAGTAGAGCTTCGTGGAAGAACAGAGCTCAAG
 GGTAAAGGCACAGAGGAGACCTTCTGGCTTGTGGAAAAAAGGGTTTACCAAACCTCTTCTGTACCCC
 CACCAGTGGGCAAGATGGGCAAGTGGTTCATGGCTTGAACACAGCGGAGATTGCAGCATTCCAAAGAAG
 AAAAGCAGAAAGGCAGTTGGTGGCAACCAAGCCATAA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites:

Sgfl-MluI

ACCN:

NM_053831

Insert Size:

3327 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).

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_053831.1, NP_446283.1

RefSeq Size:

3737 bp

RefSeq ORF: 3327 bp

Locus ID: 116556

UniProt ID: [P51842](#)

Cytogenetics: Xq33

Gene Summary: membrane guanylyl cyclase orphan receptor; may play functional role with the rods and/or cones of photoreceptor cells [RGD, Feb 2006]