

## Product datasheet for MR220267

### Gucy2f (NM\_001007576) Mouse Tagged ORF Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** Gucy2f (NM\_001007576) Mouse Tagged ORF Clone  
**Tag:** Myc-DDK  
**Symbol:** Gucy2f  
**Synonyms:** A930002I06; GC-F; GC2  
**Mammalian Cell Selection:** Neomycin  
**Vector:** pCMV6-Entry (PS100001)  
**E. coli Selection:** Kanamycin (25 ug/mL)  
**ORF Nucleotide Sequence:** >MR220267 representing NM\_001007576  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGATCGCC**

ATGTTCTCGGACCCCTGGCCTTTTTCTCGCCTTCTGTCCTGGTTTGCCATTTCCAGCAGACTGTCAGGAC  
 AGCATGGCCTCCCTTCTCCAAGTTCTGAGATGTTTGTGCTCTTGGCCCTTTTGCCTCTCCTTCGGTG  
 GGGGAAGCACTCCCCTACAAGATCGGGGTCATAGGTCCTGGACATGTGATCCGTTCTTTTCCAAGGCC  
 CTGCTGAGGTTGCTGCTGCTTTAGCAATTGAGCGAATCAGCCGGGACAAGACATTTGACAGGAGTTACT  
 CCTTCGAATACGTGATTCTTAACGAAGACTGTCAGACTTCAAAGGCCCTCGCCAGTTTCATTTCCACCA  
 GCAGATGGCCTCAGGATTTGTTGGCCTGCCAACCTGGCTTCTGCGAGGCAGCCTCACTCTGGGAACC  
 AGCTGGGACAAAGGATTTTCTCTTGGGCTTGTGTGAATCATGAATTAGATAAACAACATAGCTTCCCAA  
 CCTTCTCTCGGACTCCCTTCTCCGATACGGGTGCTTGTAAACCGTCATGAAGTATTTCCAGTGGGCACA  
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 AGCCAGGGCCTACCTGTAGGGTCTGCTGACCTCGGGACGAGACAGCCAGAGCATTGAGAAAGCTCTCC  
 AGCAGATTCGCCAGGCAGACAGAATTCGCATAATCATAATGTGTATGCATTCAGCCTTGATTGGGGGAGA  
 GACACAAAACACTTCTTGAATTGGCTCATGATCTGAAAATGACAGATGGGACTTACGCTTTTGTCCCC  
 TATGATGACTGCTCTACAGTTTACCTTATAAGCACAGCCCTACCAGGTCCTGAGGAACAATCCAAGC  
 TCCGGGAAGCCTATGATGCTGTGTTGACTATTACAGTGGAGTCCCATGAAAAGACCTTCTACGAAGCCTA  
 TGAGAAGCAGCAGCCCGCGGAGAAATTCCTGAGAAGCCTGACTCAAACCAAGTTTACCCTGTTTGGGA  
 ACCATCTACAATTCATTTATTTATCGCACAGCCATGAATAATGCTATGAAAAAATGGACGGGCTA  
 GTGCTGCCAGCCTGGTTCAGCATTCCAGAAACATGCAGTTCTATGGATTCAACCAGTTGATAAAGACAGA  
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 CTTGGCCATGATGCTGCTTTGCTTTACTTATAGCCTTCTGTCTATCAATGGATTGCTTACTTTATA



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AGGCGACGTATAAATAAAATCCAGTTGATTAAAGGACCCAACAGAATCCTACTGACTTTGGAAGATGTGA  
 CATTATTAATCCCCTTTGGCAGTAAGAGAGGAAGCCGTGCCAGTGAAGCTTCCAGATCATCTCAGA  
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 CACAGTAACAATTCTTCAAACCTGAGTGAAGGCTATGAAGTAGAGCTTGGTGAAGAACAGAGCTCAAG  
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ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Protein Sequence:**

>MR220267 representing NM\_001007576  
 Red=Cloning site Green=Tags(s)

MFLGPWPFSRLLSWFAISSRLSGQHGLPSSKFLRCLCLLALLPLLRWQALPYKIGVIGPWTCDPFFSKA  
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 SWDKGIFSWACVNHLDNKHSFPTFSRTLPSPIRVLVTVMKYFQWAHAGVISSEDEDIWMHTANRVSSALR  
 SQGLPVGVVLTSGRDSQSIQKALQQIRQADRIRIIMCMHSALIGGETQTHFLELAHDLKMTDGTVYFVP  
 YDVLVLSLPYKHSFYQLRNNPKLREAYDAVLTITVESHEKTFYEAAYEAARGEIPEKPDNSQVSPFLG  
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 RRRINKIQLIKGPNRILLTLEDVTFINPHFGSKRGRSASVSFQIISEVQSGRSPRLFSSGSLTPATYEN  
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 ERTEVEIEKQKTEKLLTQMLPLSVAESLKKGCTVEPEGFDLVTLTYFSDIVGFTTISAMSEPIEVVDLLN  
 DLYTLFDAIIGSHDYK VETIGDAYMVASGLPKRNGSRHAAEIANMSLDILSSVGTFFKMRHMPVEVPRIR  
 IGLHSGPVVAGVVGLTMPRYCLFGDTVNTASRMESTGLPYRIHVSLSTVTILQTLSEGYEVELRGRTELK  
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TRTRPLEQKLI SEEDLAANDILDYKDDDDKV



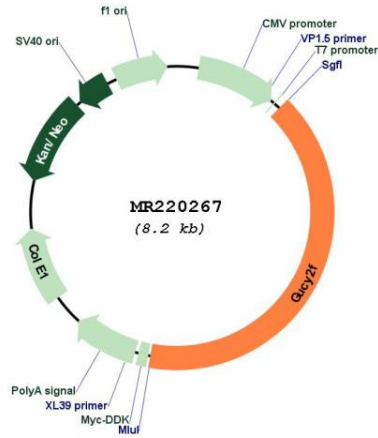
UniProt ID: Q5SDA5

Cytogenetics: X 62.85 cM

MW: 124.9 kDa

Gene Summary: Probably plays a specific functional role in the rods and/or cones of photoreceptors. It may be the enzyme involved in the resynthesis of cGMP required for recovery of the dark state after phototransduction (By similarity).[UniProtKB/Swiss-Prot Function]

**Product images:**



Circular map for MR220267