

## Product datasheet for **SC204915**

### **GUCY1A2 (NM\_000855) Human 3' UTR Clone**

#### **Product data:**

**Product Type:** 3' UTR Clones  
**Product Name:** GUCY1A2 (NM\_000855) Human 3' UTR Clone  
**Vector:** pMirTarget (PS100062)  
**Symbol:** GUCY1A2  
**Synonyms:** GC-SA2; GUC1A2  
**ACCN:** NM\_000855  
**Insert Size:** 411 bp  
**Insert Sequence:** >SC204915 3' UTR clone of NM\_000855  
The sequence shown below is from the reference sequence of NM\_000855. The complete sequence of this clone may contain minor differences, such as SNPs. **Red**=Cloning site  
**Blue**=Stop Codon

CAATTGGCAGAGCTCAGAATTCAAGCGATCGC

TTCCTACAACATCGGCACCATGTTCTCCGGGAGACAAGCCTCTGAGACCTGCTACAGATCAAAGACTCC  
TCCAAAAGCACAAAGCCAGAACATGGGTACCAATGGGGGTGGAAAGAGATTGTCTCTTTTCATTGC  
TTTGTGAGAACAAGCAGCAAAATTTCTGTATTATGTCAGGCAATAATCTACTAAAAGGTGGAGGTGAC  
CGCTGTCAATAAAAAGCCGGAGGATGAGGGAAATAAGATGTGTCCATTCATATGAGTGGTTTTGGTCATA  
TATATACATATATTTTAATTACAAGTGTGGTCCCCTTTCAGAACTAACCAATAAATAGATTCATGT  
TTTCTGTTTATCACACATACAAGTATCTTCCCTATATATTTGTACCACTTTTGAGAGCC

ACGCGTAAGCGGCCGCGCATCTAGATTGAAGAAAATGACCG

**Restriction Sites:** Sgfl-Mlul  
**OTI Disclaimer:** Our molecular clone sequence data has been matched to the sequence identifier above as a point of reference. Note that the complete sequence of this clone is largely the same as the reference sequence but may contain minor differences, e.g., single nucleotide polymorphisms (SNPs).  
**Components:** The cDNA clone is shipped in a 2-D bar-coded Matrix tube as 10 ug dried plasmid DNA. The package also includes 100 pmols of both the corresponding 5' and 3' vector primers in separate vials.  
**RefSeq:** [NM\\_000855.1](#)



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**Summary:** Soluble guanylate cyclases are heterodimeric proteins that catalyze the conversion of GTP to 3',5'-cyclic GMP and pyrophosphate. The protein encoded by this gene is an alpha subunit of this complex and it interacts with a beta subunit to form the guanylate cyclase enzyme, which is activated by nitric oxide. Two transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Jan 2012]

**Locus ID:** 2977