

## Product datasheet for **RC219523L3V**

### **GUCY1A2 (NM\_000855) Human Tagged ORF Clone Lentiviral Particle**

#### **Product data:**

Product Type:	Lentiviral Particles
Product Name:	GUCY1A2 (NM_000855) Human Tagged ORF Clone Lentiviral Particle
Symbol:	GUCY1A2
Synonyms:	GC-SA2; GUC1A2
Mammalian Cell Selection:	Puromycin
Vector:	pLenti-C-Myc-DDK-P2A-Puro (PS100092)
Tag:	Myc-DDK
ACCN:	NM_000855
ORF Size:	2196 bp
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(RC219523).
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. <a href="#">More info</a>
OTI Annotation:	This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
RefSeq:	<a href="#">NM_000855.2</a>
RefSeq Size:	16140 bp
RefSeq ORF:	2199 bp
Locus ID:	2977
UniProt ID:	<a href="#">P33402</a>
Cytogenetics:	11q22.3
Protein Families:	Druggable Genome
Protein Pathways:	Gap junction, Long-term depression, Purine metabolism, Vascular smooth muscle contraction



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**MW:** 81.7 kDa

**Gene 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]