

## Product datasheet for **RC208205L2V**

### **GUCY1B3 (GUCY1B1) (NM\_000857) Human Tagged ORF Clone Lentiviral Particle**

#### **Product data:**

Product Type:	Lentiviral Particles
Product Name:	GUCY1B3 (GUCY1B1) (NM_000857) Human Tagged ORF Clone Lentiviral Particle
Symbol:	GUCY1B1
Synonyms:	GC-S-beta-1; GC-SB3; GUC1B3; GUCB3; GUCSB3; GUCY1B3
Mammalian Cell Selection:	None
Vector:	pLenti-C-mGFP (PS100071)
Tag:	mGFP
ACCN:	NM_000857
ORF Size:	1857 bp
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(RC208205).
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_000857.1</a>
RefSeq Size:	3261 bp
RefSeq ORF:	1860 bp
Locus ID:	2983
UniProt ID:	<a href="#">Q02153</a>
Cytogenetics:	4q32.1
Domains:	CYCc
Protein Families:	Druggable Genome



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**Protein Pathways:** Gap junction, Long-term depression, Purine metabolism, Vascular smooth muscle contraction

**MW:** 70.5 kDa

**Gene Summary:** This gene encodes the beta subunit of the soluble guanylate cyclase (sGC), which catalyzes the conversion of GTP (guanosine triphosphate) to cGMP (cyclic guanosine monophosphate). The encoded protein contains an HNOX domain, which serves as a receptor for ligands such as nitric oxide, oxygen and nitrovasodilator drugs. Alternative splicing results in multiple transcript variants. [provided by RefSeq, May 2014]