

## Product datasheet for **RC200940L1V**

### Glycogen synthase 1 (GYS1) (NM\_002103) Human Tagged ORF Clone Lentiviral Particle

#### Product data:

Product Type:	Lentiviral Particles
Product Name:	Glycogen synthase 1 (GYS1) (NM_002103) Human Tagged ORF Clone Lentiviral Particle
Symbol:	Glycogen synthase 1
Synonyms:	GSY; GYS
Mammalian Cell Selection:	None
Vector:	pLenti-C-Myc-DDK (PS100064)
Tag:	Myc-DDK
ACCN:	NM_002103
ORF Size:	2211 bp
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(RC200940).
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_002103.3</a>
RefSeq Size:	3635 bp
RefSeq ORF:	2214 bp
Locus ID:	2997
UniProt ID:	<a href="#">P13807</a>
Cytogenetics:	19q13.33
Protein Pathways:	Insulin signaling pathway, Starch and sucrose metabolism
MW:	83.8 kDa



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**Gene Summary:**

The protein encoded by this gene catalyzes the addition of glucose monomers to the growing glycogen molecule through the formation of alpha-1,4-glycoside linkages. Mutations in this gene are associated with muscle glycogen storage disease. Alternatively spliced transcript variants encoding different isoforms have been found for this gene.[provided by RefSeq, Sep 2009]