

Product datasheet for **RC228993L4V**

Glycogen synthase 1 (GYS1) (NM_001161587) Human Tagged ORF Clone Lentiviral Particle

Product data:

Product Type:	Lentiviral Particles
Product Name:	Glycogen synthase 1 (GYS1) (NM_001161587) Human Tagged ORF Clone Lentiviral Particle
Symbol:	GYS1
Synonyms:	GSY; GYS
Mammalian Cell Selection:	Puromycin
Vector:	pLenti-C-mGFP-P2A-Puro (PS100093)
Tag:	mGFP
ACCN:	NM_001161587
ORF Size:	2019 bp
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(RC228993).
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. More info
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:	NM_001161587.1
RefSeq ORF:	2022 bp
Locus ID:	2997
UniProt ID:	P13807
Cytogenetics:	19q13.33
Protein Pathways:	Insulin signaling pathway, Starch and sucrose metabolism
MW:	76.3 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]