

## Product datasheet for **RC202077L3V**

### GPBB (PYGB) (NM\_002862) Human Tagged ORF Clone Lentiviral Particle

#### Product data:

Product Type:	Lentiviral Particles
Product Name:	GPBB (PYGB) (NM_002862) Human Tagged ORF Clone Lentiviral Particle
Symbol:	GPBB
Synonyms:	GPBB
Mammalian Cell Selection:	Puromycin
Vector:	pLenti-C-Myc-DDK-P2A-Puro (PS100092)
Tag:	Myc-DDK
ACCN:	NM_002862
ORF Size:	2529 bp
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(RC202077).
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_002862.3</a>
RefSeq Size:	4131 bp
RefSeq ORF:	2532 bp
Locus ID:	5834
UniProt ID:	<a href="#">P11216</a>
Cytogenetics:	20p11.21
Domains:	phosphorylase
Protein Families:	Druggable Genome



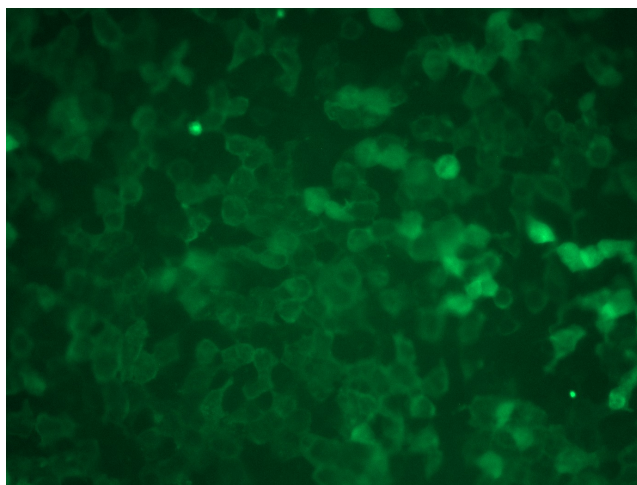
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**Protein Pathways:** Insulin signaling pathway, Starch and sucrose metabolism

**MW:** 96.7 kDa

**Gene Summary:** The protein encoded by this gene is a glycogen phosphorylase found predominantly in the brain. The encoded protein forms homodimers which can associate into homotetramers, the enzymatically active form of glycogen phosphorylase. The activity of this enzyme is positively regulated by AMP and negatively regulated by ATP, ADP, and glucose-6-phosphate. This enzyme catalyzes the rate-determining step in glycogen degradation. [provided by RefSeq, Jul 2008]

### Product images:



[RC202077L3] was used to prepare Lentiviral particles using [TR30037] packaging kit. HEK293T cells were transduced with RC202077L3V particle to overexpress human PYGB-Myc-DDK fusion protein.