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Product datasheet for RC205866L3V

G6PC3 (NM_138387) Human Tagged ORF Clone Lentiviral Particle

Product data:

Product Type:	Lentiviral Particles
Product Name:	G6PC3 (NM_138387) Human Tagged ORF Clone Lentiviral Particle
Symbol:	G6PC3
Synonyms:	SCN4; UGRP
Mammalian Cell Selection:	Puromycin
Vector:	pLenti-C-Myc-DDK-P2A-Puro (PS100092)
Tag:	Myc-DDK
ACCN:	NM_138387
ORF Size:	1038 bp
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(RC205866).
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_138387.2
RefSeq Size:	1654 bp
RefSeq ORF:	1041 bp
Locus ID:	92579
UniProt ID:	Q9BUM1
Cytogenetics:	17q21.31
Domains:	acidPPc
Protein Families:	Druggable Genome, Transmembrane

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MW: 38.7 kDa

Gene Summary: This gene encodes the catalytic subunit of glucose-6-phosphatase (G6Pase). G6Pase is located in the endoplasmic reticulum (ER) and catalyzes the hydrolysis of glucose-6-phosphate to glucose and phosphate in the last step of the gluconeogenic and glycogenolytic pathways. Mutations in this gene result in autosomal recessive severe congenital neutropenia. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Feb 2016]