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Product datasheet for RC204879L4V

SLC37A4 (NM_001467) Human Tagged ORF Clone Lentiviral Particle

Product data:

Product Type:	Lentiviral Particles
Product Name:	SLC37A4 (NM_001467) Human Tagged ORF Clone Lentiviral Particle
Symbol:	SLC37A4
Synonyms:	G6PT1; G6PT2; G6PT3; GSD1b; GSD1c; GSD1d; PRO0685; TRG-19; TRG19
Mammalian Cell Selection:	Puromycin
Vector:	pLenti-C-mGFP-P2A-Puro (PS100093)
Tag:	mGFP
ACCN:	NM_001467
ORF Size:	1287 bp
ORF Nucleotide Sequence:	`The ORF insert of this clone is exactly the same as(RC204879).`
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_001467.4
RefSeq Size:	2090 bp
RefSeq ORF:	1290 bp
Locus ID:	2542
UniProt ID:	O43826
Cytogenetics:	11q23.3
Domains:	sugar_tr
Protein Families:	Transmembrane

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MW: 46.2 kDa

Gene Summary: This gene regulates glucose-6-phosphate transport from the cytoplasm to the lumen of the endoplasmic reticulum, in order to maintain glucose homeostasis. It also plays a role in ATP-mediated calcium sequestration in the lumen of the endoplasmic reticulum. Mutations in this gene have been associated with various forms of glycogen storage disease. Alternative splicing in this gene results in multiple transcript variants.[provided by RefSeq, Aug 2009]