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Product datasheet for RC201906L4V

PIGV (NM_017837) Human Tagged ORF Clone Lentiviral Particle

Product data:

Product Type:	Lentiviral Particles
Product Name:	PIGV (NM_017837) Human Tagged ORF Clone Lentiviral Particle
Symbol:	PIGV
Synonyms:	GPI-MT-II; HPMRS1; PIG-V
Mammalian Cell Selection:	Puromycin
Vector:	pLenti-C-mGFP-P2A-Puro (PS100093)
Tag:	mGFP
ACCN:	NM_017837
ORF Size:	1479 bp
ORF Nucleotide Sequence:	`The ORF insert of this clone is exactly the same as(RC201906).`
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_017837.2
RefSeq Size:	2424 bp
RefSeq ORF:	1482 bp
Locus ID:	55650
UniProt ID:	Q9NUD9
Cytogenetics:	1p36.11
Domains:	DUF409
Protein Families:	Transmembrane

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Protein Pathways: Glycosylphosphatidylinositol(GPI)-anchor biosynthesis, Metabolic pathways

MW: 55.7 kDa

Gene Summary: This gene encodes a mannosyltransferase enzyme involved in the biosynthesis of glycosylphosphatidylinositol (GPI). GPI is a complex glycolipid that functions as a membrane anchor for many proteins and plays a role in multiple cellular processes including protein sorting and signal transduction. The encoded protein is localized to the endoplasmic reticulum and transfers the second mannose to the GPI backbone. Mutations in this gene are associated with hyperphosphatasia cognitive disability syndrome. Alternatively spliced transcript variants have been observed for this gene. [provided by RefSeq, Feb 2011]