Product datasheet for RC217655L3V

PIGY (NM_001042616) Human Tagged ORF Clone Lentiviral Particle

Product data:

Product Type:	Lentiviral Particles
Product Name:	PIGY (NM_001042616) Human Tagged ORF Clone Lentiviral Particle
Symbol:	PIGY
Synonyms:	HPMRS6; PIG-Y
Mammalian Cell Selection:	Puromycin
Vector:	pLenti-C-Myc-DDK-P2A-Puro (PS100092)
Tag:	Myc-DDK
ACCN:	NM_001042616
ORF Size:	213 bp
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(RC217655).
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_001042616.2
RefSeq Size:	1356 bp
RefSeq ORF:	216 bp
Locus ID:	84992
UniProt ID:	Q3MUY2
Cytogenetics:	4q22.1
Protein Pathways:	Glycosylphosphatidylinositol(GPI)-anchor biosynthesis, Metabolic pathways
MW:	8.1 kDa

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Gene Summary: The protein encoded by this gene is part of the GPI-N-acetylglucosaminyltransferase (GIP-GnT) complex which initiates the biosynthesis of glycosylphosphatidylinositol (GPI). GPI is synthesized in the endoplasmic reticulum and serves as an anchor for many surface proteins. Proteins containing GPI anchors can have an important role in cell-cell interactions. The transcript for this gene is bicistronic. The downstream open reading frame encodes this GPI-GnT complex protein, while the upstream open reading frame encodes a protein with unknown function, as represented by GeneID:100996939. [provided by RefSeq, Aug 2012]