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Product datasheet for RC214528L4V

PIGA (NM_002641) Human Tagged ORF Clone Lentiviral Particle

Product data:

Product Type:	Lentiviral Particles
Product Name:	PIGA (NM_002641) Human Tagged ORF Clone Lentiviral Particle
Symbol:	PIGA
Synonyms:	GPI3; MCAHS2; PIG-A; PNH1
Mammalian Cell Selection:	Puromycin
Vector:	pLenti-C-mGFP-P2A-Puro (PS100093)
Tag:	mGFP
ACCN:	NM_002641
ORF Size:	1452 bp
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(RC214528).
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_002641.1
RefSeq Size:	3644 bp
RefSeq ORF:	1455 bp
Locus ID:	5277
UniProt ID:	P37287
Cytogenetics:	Xp22.2
Domains:	Glycos_transf_1
Protein Families:	Transmembrane

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

MW: 54.1 kDa

Gene Summary: This gene encodes a protein required for synthesis of N-acetylglucosaminyl phosphatidylinositol (GlcNAc-PI), the first intermediate in the biosynthetic pathway of GPI anchor. The GPI anchor is a glycolipid found on many blood cells and which serves to anchor proteins to the cell surface. Paroxysmal nocturnal hemoglobinuria, an acquired hematologic disorder, has been shown to result from mutations in this gene. Alternate splice variants have been characterized. A related pseudogene is located on chromosome 12. [provided by RefSeq, Jun 2010]