

Product datasheet for **RC221496L2V**

PTF1A (NM_178161) Human Tagged ORF Clone Lentiviral Particle

Product data:

Product Type:	Lentiviral Particles
Product Name:	PTF1A (NM_178161) Human Tagged ORF Clone Lentiviral Particle
Symbol:	PTF1A
Synonyms:	bHLHa29; p48; PACA; PAGEN2; PTF1-p48
Mammalian Cell Selection:	None
Vector:	pLenti-C-mGFP (PS100071)
Tag:	mGFP
ACCN:	NM_178161
ORF Size:	984 bp
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(RC221496).
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_178161.1
RefSeq Size:	987 bp
RefSeq ORF:	987 bp
Locus ID:	256297
UniProt ID:	Q7RTS3
Cytogenetics:	10p12.2
Protein Families:	Embryonic stem cells, ES Cell Differentiation/IPS
MW:	34.8 kDa



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Gene Summary:

This gene encodes a protein that is a component of the pancreas transcription factor 1 complex (PTF1) and is known to have a role in mammalian pancreatic development. The protein plays a role in determining whether cells allocated to the pancreatic buds continue towards pancreatic organogenesis or revert back to duodenal fates. The protein is thought to be involved in the maintenance of exocrine pancreas-specific gene expression including elastase 1 and amylase. Mutations in this gene cause cerebellar agenesis and loss of expression is seen in ductal type pancreas cancers. [provided by RefSeq, Jul 2008]