

Product datasheet for **RC208800L4V**

PNPT1 (NM_033109) Human Tagged ORF Clone Lentiviral Particle

Product data:

Product Type:	Lentiviral Particles
Product Name:	PNPT1 (NM_033109) Human Tagged ORF Clone Lentiviral Particle
Symbol:	PNPT1
Synonyms:	COXPD13; DFNB70; old-35; OLD35; PNPASE
Mammalian Cell Selection:	Puromycin
Vector:	pLenti-C-mGFP-P2A-Puro (PS100093)
Tag:	mGFP
ACCN:	NM_033109
ORF Size:	2349 bp
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(RC208800).
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_033109.3
RefSeq Size:	4579 bp
RefSeq ORF:	2352 bp
Locus ID:	87178
UniProt ID:	Q8TCS8
Cytogenetics:	2p16.1
Domains:	RNase_PH_C
Protein Pathways:	Purine metabolism, Pyrimidine metabolism, RNA degradation



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MW: 86 kDa

Gene Summary: The protein encoded by this gene belongs to the evolutionary conserved polynucleotide phosphorylase family comprised of phosphate dependent 3'-to-5' exoribonucleases implicated in RNA processing and degradation. This enzyme is predominantly localized in the mitochondrial intermembrane space and is involved in import of RNA to mitochondria. Mutations in this gene have been associated with combined oxidative phosphorylation deficiency-13 and autosomal recessive nonsyndromic deafness-70. Related pseudogenes are found on chromosomes 3 and 7. [provided by RefSeq, Dec 2012]