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Product datasheet for RC210759L4V

Nucleoside phosphorylase (PNP) (NM_000270) Human Tagged ORF Clone Lentiviral Particle

Product data:

Product Type:	Lentiviral Particles
Product Name:	Nucleoside phosphorylase (PNP) (NM_000270) Human Tagged ORF Clone Lentiviral Particle
Symbol:	Nucleoside phosphorylase
Synonyms:	NP; PRO1837; PUNP
Mammalian Cell Selection:	Puromycin
Vector:	pLenti-C-mGFP-P2A-Puro (PS100093)
Tag:	mGFP
ACCN:	NM_000270
ORF Size:	867 bp
ORF Nucleotide Sequence:	`The ORF insert of this clone is exactly the same as(RC210759).`
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_000270.1
RefSeq Size:	2438 bp
RefSeq ORF:	870 bp
Locus ID:	4860
UniProt ID:	P00491
Cytogenetics:	14q11.2
Domains:	Mtap_PNP
Protein Families:	Druggable Genome, Stem cell - Pluripotency

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Protein Pathways: Metabolic pathways, Nicotinate and nicotinamide metabolism, Purine metabolism, Pyrimidine metabolism

MW: 32.1 kDa

Gene Summary: This gene encodes an enzyme which reversibly catalyzes the phosphorolysis of purine nucleosides. The enzyme is trimeric, containing three identical subunits. Mutations which result in nucleoside phosphorylase deficiency result in defective T-cell (cell-mediated) immunity but can also affect B-cell immunity and antibody responses. Neurologic disorders may also be apparent in patients with immune defects. A known polymorphism at aa position 51 that does not affect enzyme activity has been described. A pseudogene has been identified on chromosome 2. [provided by RefSeq, Jul 2008]