

Product datasheet for **RR214930L4V**

Pycr2 (NM_001012208) Rat Tagged ORF Clone Lentiviral Particle

Product data:

Product Type:	Lentiviral Particles
Product Name:	Pycr2 (NM_001012208) Rat Tagged ORF Clone Lentiviral Particle
Symbol:	Pycr2
Mammalian Cell Selection:	Puromycin
Vector:	pLenti-C-mGFP-P2A-Puro (PS100093)
Tag:	mGFP
ACCN:	NM_001012208
ORF Size:	960 bp
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(RR214930).
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_001012208.1 , NP_001012208.1
RefSeq Size:	1582 bp
RefSeq ORF:	963 bp
Locus ID:	364064
UniProt ID:	Q6AY23
Cytogenetics:	13q26



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Gene Summary:

Housekeeping enzyme that catalyzes the last step in proline biosynthesis. In some cell types, such as erythrocytes, its primary function may be the generation of NADP(+). Can utilize both NAD and NADP. Has higher affinity for NADP, but higher catalytic efficiency with NADH (By similarity). Involved in cellular response to oxidative stress (By similarity).[UniProtKB/Swiss-Prot Function]