

Product datasheet for **RC202183L4V**

RPIA (NM_144563) Human Tagged ORF Clone Lentiviral Particle

Product data:

Product Type:	Lentiviral Particles
Product Name:	RPIA (NM_144563) Human Tagged ORF Clone Lentiviral Particle
Symbol:	RPIA
Synonyms:	RPI; RPIAD
Mammalian Cell Selection:	Puromycin
Vector:	pLenti-C-mGFP-P2A-Puro (PS100093)
Tag:	mGFP
ACCN:	NM_144563
ORF Size:	933 bp
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(RC202183).
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_144563.2
RefSeq Size:	1834 bp
RefSeq ORF:	936 bp
Locus ID:	22934
UniProt ID:	P49247
Cytogenetics:	2p11.2
Protein Pathways:	Metabolic pathways, Pentose phosphate pathway
MW:	33.1 kDa



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Gene Summary:

The protein encoded by this gene is an enzyme, which catalyzes the reversible conversion between ribose-5-phosphate and ribulose-5-phosphate in the pentose-phosphate pathway. This gene is highly conserved in most organisms. The enzyme plays an essential role in the carbohydrate metabolism. Mutations in this gene cause ribose 5-phosphate isomerase deficiency. A pseudogene is found on chromosome 18. [provided by RefSeq, Mar 2010]