

## Product datasheet for **RC201710L4V**

### **PDIA6 (NM\_005742) Human Tagged ORF Clone Lentiviral Particle**

#### **Product data:**

Product Type:	Lentiviral Particles
Product Name:	PDIA6 (NM_005742) Human Tagged ORF Clone Lentiviral Particle
Symbol:	PDIA6
Synonyms:	ERP5; P5; TXNDC7
Mammalian Cell Selection:	Puromycin
Vector:	pLenti-C-mGFP-P2A-Puro (PS100093)
Tag:	mGFP
ACCN:	NM_005742
ORF Size:	1320 bp
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(RC201710).
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. <a href="#">More info</a>
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:	<a href="#">NM_005742.2</a>
RefSeq Size:	2349 bp
RefSeq ORF:	1323 bp
Locus ID:	10130
UniProt ID:	<a href="#">Q15084</a>
Cytogenetics:	2p25.1
Domains:	thioired
Protein Families:	Druggable Genome



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**MW:** 48.1 kDa

**Gene Summary:** This gene encodes a member of the disulfide isomerase (PDI) family of endoplasmic reticulum (ER) proteins that catalyze protein folding and thiol-disulfide interchange reactions. The encoded protein has an N-terminal ER-signal sequence, two catalytically active thioredoxin (TRX) domains, a TRX-like domain, and a C-terminal ER-retention sequence. This protein inhibits the aggregation of misfolded proteins and exhibits both isomerase and chaperone activity. Alternative splicing results in multiple transcript variants encoding different isoforms. [provided by RefSeq, Dec 2016]