

Product datasheet for **RC222382L2V**

PDI (PDIA2) (NM_006849) Human Tagged ORF Clone Lentiviral Particle

Product data:

Product Type:	Lentiviral Particles
Product Name:	PDI (PDIA2) (NM_006849) Human Tagged ORF Clone Lentiviral Particle
Symbol:	PDI
Synonyms:	PDA2; PDI; PDIP; PDIR
Mammalian Cell Selection:	None
Vector:	pLenti-C-mGFP (PS100071)
Tag:	mGFP
ACCN:	NM_006849
ORF Size:	1575 bp
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(RC222382).
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_006849.2
RefSeq Size:	1726 bp
RefSeq ORF:	1578 bp
Locus ID:	64714
UniProt ID:	Q13087
Cytogenetics:	16p13.3
Protein Families:	Druggable Genome
MW:	58 kDa


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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, two TRX-like domains and a C-terminal ER-retention sequence. The protein plays a role in the folding of nascent proteins in the endoplasmic reticulum by forming disulfide bonds through its thiol isomerase, oxidase, and reductase activity. The encoded protein also possesses estradiol-binding activity and can modulate intracellular estradiol levels. [provided by RefSeq, Sep 2017]