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Product datasheet for RC220453L4V

PDIR (PDIA5) (NM_006810) Human Tagged ORF Clone Lentiviral Particle

Product data:

Product Type:	Lentiviral Particles
Product Name:	PDIR (PDIA5) (NM_006810) Human Tagged ORF Clone Lentiviral Particle
Symbol:	PDIR
Synonyms:	PDIR
Mammalian Cell Selection:	Puromycin
Vector:	pLenti-C-mGFP-P2A-Puro (PS100093)
Tag:	mGFP
ACCN:	NM_006810
ORF Size:	1557 bp
ORF Nucleotide Sequence:	`The ORF insert of this clone is exactly the same as(RC220453).`
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_006810.3
RefSeq Size:	1873 bp
RefSeq ORF:	1560 bp
Locus ID:	10954
UniProt ID:	Q14554
Cytogenetics:	3q21.1
Domains:	thiored
Protein Families:	Druggable Genome

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MW: 59.6 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, three catalytically active thioredoxin (TRX) domains, a TRX-like domain, and a C-terminal ER-retention sequence. The N-terminal TRX-like domain is the primary binding site for the major ER chaperone calreticulin and possibly other proteins and substrates as well. Alternative splicing results in multiple protein- and non-protein-coding transcript variants. [provided by RefSeq, Dec 2016]