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Product datasheet for RC202543L4V

PIN1 (NM_006221) Human Tagged ORF Clone Lentiviral Particle

Product data:

Product Type:	Lentiviral Particles
Product Name:	PIN1 (NM_006221) Human Tagged ORF Clone Lentiviral Particle
Symbol:	PIN1
Synonyms:	DOD; UBL5
Mammalian Cell Selection:	Puromycin
Vector:	pLenti-C-mGFP-P2A-Puro (PS100093)
Tag:	mGFP
ACCN:	NM_006221
ORF Size:	489 bp
ORF Nucleotide Sequence:	`The ORF insert of this clone is exactly the same as(RC202543).`
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_006221.2
RefSeq Size:	1138 bp
RefSeq ORF:	492 bp
Locus ID:	5300
UniProt ID:	Q13526
Cytogenetics:	19p13.2
Domains:	Rotamase, WW
Protein Families:	Druggable Genome

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Protein Pathways: RIG-I-like receptor signaling pathway

MW: 18.2 kDa

Gene Summary: Peptidyl-prolyl cis/trans isomerases (PPIases) catalyze the cis/trans isomerization of peptidyl-prolyl peptide bonds. This gene encodes one of the PPIases, which specifically binds to phosphorylated ser/thr-pro motifs to catalytically regulate the post-phosphorylation conformation of its substrates. The conformational regulation catalyzed by this PPIase has a profound impact on key proteins involved in the regulation of cell growth, genotoxic and other stress responses, the immune response, induction and maintenance of pluripotency, germ cell development, neuronal differentiation, and survival. This enzyme also plays a key role in the pathogenesis of Alzheimer's disease and many cancers. Multiple alternatively spliced transcript variants have been found for this gene.[provided by RefSeq, Jun 2011]