OriGene Technologies, Inc.
9620 Medical Center Drive, Ste 200
Rockville, MD 20850, US
Phone: +1-888-267-4436
https://www.origene.com
techsupport@origene.com
EU: info-de@origene.com
CN: techsupport@origene.cn

Product datasheet for RC224051L3V

TMS1 (PYCARD) (NM_145182) Human Tagged ORF Clone Lentiviral Particle

Product data:

Product Type:	Lentiviral Particles
Product Name:	TMS1 (PYCARD) (NM_145182) Human Tagged ORF Clone Lentiviral Particle
Symbol:	PYCARD
Synonyms:	ASC; CARD5; TMS; TMS-1; TMS1
Mammalian Cell Selection:	Puromycin
Vector:	pLenti-C-Myc-DDK-P2A-Puro (PS100092)
Tag:	Myc-DDK
ACCN:	NM_145182
ORF Size:	528 bp
ORF Nucleotide Sequence:	`The ORF insert of this clone is exactly the same as(RC224051).`
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_145182.2, NP_660183.1
RefSeq Size:	725 bp
RefSeq ORF:	531 bp
Locus ID:	29108
UniProt ID:	Q9ULZ3
Cytogenetics:	16p11.2
Domains:	PAAD_DAPIN
Protein Families:	Druggable Genome

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Protein Pathways: Cytosolic DNA-sensing pathway, NOD-like receptor signaling pathway

MW: 20 kDa

Gene Summary: This gene encodes an adaptor protein that is composed of two protein-protein interaction domains: a N-terminal PYRIN-PAAD-DAPIN domain (PYD) and a C-terminal caspase-recruitment domain (CARD). The PYD and CARD domains are members of the six-helix bundle death domain-fold superfamily that mediates assembly of large signaling complexes in the inflammatory and apoptotic signaling pathways via the activation of caspase. In normal cells, this protein is localized to the cytoplasm; however, in cells undergoing apoptosis, it forms ball-like aggregates near the nuclear periphery. Two transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Jul 2008]