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Product datasheet for RC215218L1V

TLR1 (NM_003263) Human Tagged ORF Clone Lentiviral Particle

Product data:

Product Type:	Lentiviral Particles
Product Name:	TLR1 (NM_003263) Human Tagged ORF Clone Lentiviral Particle
Symbol:	TLR1
Synonyms:	CD281; rsc786; TIL; TIL. LPRS5
Mammalian Cell Selection:	None
Vector:	pLenti-C-Myc-DDK (PS100064)
Tag:	Myc-DDK
ACCN:	NM_003263
ORF Size:	2358 bp
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(RC215218).
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_003263.3
RefSeq Size:	2867 bp
RefSeq ORF:	2361 bp
Locus ID:	7096
UniProt ID:	Q15399
Cytogenetics:	4p14
Domains:	TIR, LRRCT, LRR, LRR_TYP
Protein Families:	Druggable Genome, Transmembrane

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Protein Pathways: Toll-like receptor signaling pathway

MW: 90.1 kDa

Gene Summary: The protein encoded by this gene is a member of the Toll-like receptor (TLR) family which plays a fundamental role in pathogen recognition and activation of innate immunity. TLRs are highly conserved from Drosophila to humans and share structural and functional similarities. They recognize pathogen-associated molecular patterns (PAMPs) that are expressed on infectious agents, and mediate the production of cytokines necessary for the development of effective immunity. The various TLRs exhibit different patterns of expression. This gene is ubiquitously expressed, and at higher levels than other TLR genes. Different length transcripts presumably resulting from use of alternative polyadenylation site, and/or from alternative splicing, have been noted for this gene. [provided by RefSeq, Jul 2008]