

## Product datasheet for **RC207510L2V**

### TLR9 (NM\_017442) Human Tagged ORF Clone Lentiviral Particle

#### Product data:

Product Type:	Lentiviral Particles
Product Name:	TLR9 (NM_017442) Human Tagged ORF Clone Lentiviral Particle
Symbol:	TLR9
Synonyms:	CD289
Mammalian Cell Selection:	None
Vector:	pLenti-C-mGFP (PS100071)
Tag:	mGFP
ACCN:	NM_017442
ORF Size:	3096 bp
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(RC207510).
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. <a href="#">More info</a>
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:	<a href="#">NM_017442.2</a>
RefSeq Size:	3868 bp
RefSeq ORF:	3099 bp
Locus ID:	54106
UniProt ID:	<a href="#">Q9NR96</a>
Cytogenetics:	3p21.2
Protein Families:	Druggable Genome, Transmembrane
Protein Pathways:	Toll-like receptor signaling pathway



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**MW:** 115.86 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. Studies in mice and human indicate that this receptor mediates cellular response to unmethylated CpG dinucleotides in bacterial DNA to mount an innate immune response. [provided by RefSeq, Aug 2017]