

Product datasheet for **MR210887L4V**

Tlr4 (NM_021297) Mouse Tagged ORF Clone Lentiviral Particle

Product data:

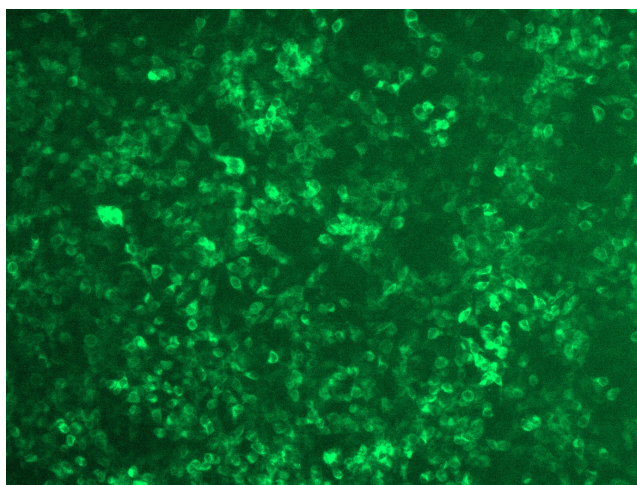
Product Type:	Lentiviral Particles
Product Name:	Tlr4 (NM_021297) Mouse Tagged ORF Clone Lentiviral Particle
Symbol:	Tlr4
Synonyms:	Lps; Ly87; Ran/M1; Ras; Rasl2-8
Mammalian Cell Selection:	Puromycin
Vector:	pLenti-C-mGFP-P2A-Puro (PS100093)
Tag:	mGFP
ACCN:	NM_021297
ORF Size:	2505 bp
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(MR210887).
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_021297.2 , NP_067272.1
RefSeq Size:	3847 bp
RefSeq ORF:	2508 bp
Locus ID:	21898
UniProt ID:	Q9QUK6
Cytogenetics:	4 34.66 cM



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Gene Summary:

This gene belongs to the evolutionarily-conserved Toll-like receptor family, whose members are type-1 transmembrane proteins that are involved in innate immunity. Toll-like receptors are characterized by an extracellular leucine-rich repeat domain that functions in ligand recognition and an intracellular toll/interleukin-1 receptor-like domain that is crucial for signal transduction. The receptor encoded by this gene mediates the innate immune response to bacterial lipopolysaccharide, a major component of the outer membrane of Gram-negative bacteria, through synthesis of pro-inflammatory cytokines and chemokines. In addition, this protein can recognize other pathogens from Gram-negative and Gram-positive bacteria as well as viral components. Mice deficient in this gene display a number of immune response-related phenotypes including hyporesponsiveness to bacterial lipopolysaccharide and increased levels of respiratory syncytial virus compared to controls. [provided by RefSeq, Sep 2015]

Product images:

[MR210887L4] was used to prepare Lentiviral particles using [TR30037] packaging kit. HEK293T cells were transduced with MR210887L4V particle to overexpress human Tlr4-mGFP fusion protein.