

Product datasheet for **MR227105L4V**

Myd88 (NM_010851) Mouse Tagged ORF Clone Lentiviral Particle

Product data:

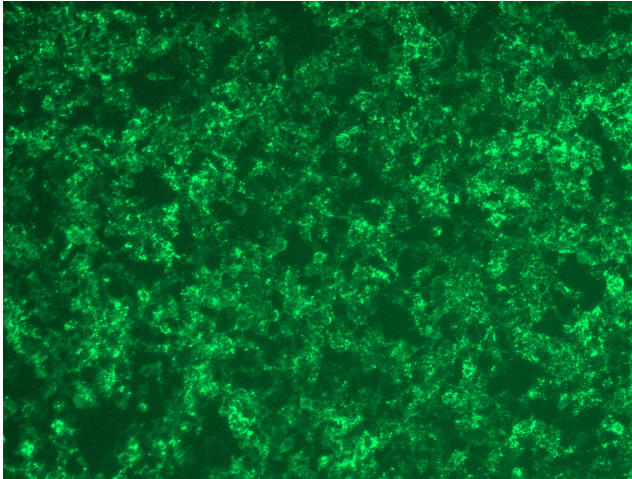
Product Type:	Lentiviral Particles
Product Name:	Myd88 (NM_010851) Mouse Tagged ORF Clone Lentiviral Particle
Symbol:	Myd88
Mammalian Cell Selection:	Puromycin
Vector:	pLenti-C-mGFP-P2A-Puro (PS100093)
Tag:	mGFP
ACCN:	NM_010851
ORF Size:	888 bp
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(MR227105).
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_010851.2
RefSeq Size:	1947 bp
RefSeq ORF:	891 bp
Locus ID:	17874
UniProt ID:	P22366
Cytogenetics:	9 71.33 cM



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Gene Summary:

Adapter protein involved in the Toll-like receptor and IL-1 receptor signaling pathway in the innate immune response (PubMed:9697844). Acts via IRAK1, IRAK2, IRF7 and TRAF6, leading to NF-kappa-B activation, cytokine secretion and the inflammatory response (PubMed:9575168, PubMed:9697844). Increases IL-8 transcription. Involved in IL-18-mediated signaling pathway (PubMed:9697844). Isoform 2 is defective in its ability to induce IRAK phosphorylation and NF-kappa-B activation and can function as a negative regulator of activation by IL-1 or lipopolysaccharide (LPS) (PubMed:11909531). Activates IRF1 resulting in its rapid migration into the nucleus to mediate an efficient induction of IFN-beta, NOS2/INOS, and IL12A genes (PubMed:17018642). MyD88-mediated signaling in intestinal epithelial cells is crucial for maintenance of gut homeostasis and controls the expression of the antimicrobial lectin REG3G in the small intestine (PubMed:17635956, PubMed:21998396). Mediates leukocyte recruitment at the inflammatory site (PubMed:18941239).
[UniProtKB/Swiss-Prot Function]

Product images:

[MR227105L4] was used to prepare Lentiviral particles using [TR30037] packaging kit. HEK293T cells were transduced with MR227105L4V particle to overexpress human Myd88-mGFP fusion protein.