

Product datasheet for **RR212057L4V**

Mefv (NM_031634) Rat Tagged ORF Clone Lentiviral Particle

Product data:

Product Type:	Lentiviral Particles
Product Name:	Mefv (NM_031634) Rat Tagged ORF Clone Lentiviral Particle
Symbol:	Mefv
Synonyms:	pyrin
Mammalian Cell Selection:	Puromycin
Vector:	pLenti-C-mGFP-P2A-Puro (PS100093)
Tag:	mGFP
ACCN:	NM_031634
ORF Size:	2250 bp
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(RR212057).
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_031634.1 , NP_113822.1
RefSeq Size:	3231 bp
RefSeq ORF:	2253 bp
Locus ID:	58923
UniProt ID:	Q9J125
Cytogenetics:	10q12



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Gene Summary:

Involved in the regulation of innate immunity and the inflammatory response in response to IFNG/IFN-gamma. Organizes autophagic machinery by serving as a platform for the assembly of ULK1, Beclin 1/BECN1, ATG16L1, and ATG8 family members and recognizes specific autophagy targets, thus coordinating target recognition with assembly of the autophagic apparatus and initiation of autophagy. Acts as an autophagy receptor for the degradation of several inflammasome components, including CASP1, NLRP1 and NLRP3, hence preventing excessive IL1B- and IL18-mediated inflammation. However, it may also have a positive effect in the inflammatory pathway. In different experimental systems, it has been shown to activate IL1B production. It has also been shown to be required for PSTPIP1-induced PYCARD oligomerization and for formation of inflammasomes. Recruits PSTPIP1 to inflammasomes, and is required for PSTPIP1 oligomerization.[UniProtKB/Swiss-Prot Function]