Product datasheet for MR224121L4V

Trim14 (NM_029077) Mouse Tagged ORF Clone Lentiviral Particle

Product data:

Product Type:	Lentiviral Particles
Product Name:	Trim14 (NM_029077) Mouse Tagged ORF Clone Lentiviral Particle
Symbol:	Trim14
Synonyms:	5830400N10Rik; pub
Mammalian Cell Selection:	Puromycin
Vector:	pLenti-C-mGFP-P2A-Puro (PS100093)
Tag:	mGFP
ACCN:	NM_029077
ORF Size:	1320 bp
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(MR224121).
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_029077.4, NP_083353.1
RefSeq Size:	3204 bp
RefSeq ORF:	1323 bp
Locus ID:	74735
UniProt ID:	Q8BVW3
Cytogenetics:	4 B1

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Gene Summary: Plays a role in the innate immune defense against viruses. Facilitates the type I IFN response by interacting with MAVS at the outer mitochondria membrane and thereby recruiting NF-kappa-B essential modulator IKBKG/NEMO to the MAVS signalosome, leading to the activation of both the IFN regulatory factor 3/IRF3 and NF-kappa-B pathways. Positively regulates the CGAS-induced type I interferon signaling pathway by stabilizing CGAS and inhibiting its autophagic degradation (PubMed:27666593). Inhibits the transcriptional activity of SPI1 in a dose-dependent manner (PubMed:14592421).[UniProtKB/Swiss-Prot Function]