Product datasheet for MR210354L4V

Trim56 (NM_201373) Mouse Tagged ORF Clone Lentiviral Particle

Product data:

Product Type:	Lentiviral Particles
Product Name:	Trim56 (NM_201373) Mouse Tagged ORF Clone Lentiviral Particle
Symbol:	Trim56
Synonyms:	A130009K11Rik; Gm452; RNF109
Mammalian Cell Selection:	Puromycin
Vector:	pLenti-C-mGFP-P2A-Puro (PS100093)
Tag:	mGFP
ACCN:	NM_201373
ORF Size:	2202 bp
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(MR210354).
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_201373.4, NP_958761.1
RefSeq Size:	3637 bp
RefSeq ORF:	2205 bp
Locus ID:	384309
UniProt ID:	Q80VI1
Cytogenetics:	5 G2

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Gene Summary:

E3 ubiquitin-protein ligase that plays a key role in innate antiviral immunity. In response to pathogen- and host-derived double-stranded DNA (dsDNA), targets TMEM173/STING to 'Lys-63'-linked ubiquitination, thereby promoting its homodimerization, a step required for the production of type I interferon IFN-beta. Independently of its E3 ubiquitin ligase activity, positive regulator of TLR3 signaling. Potentiates extracellular double stranded RNA (dsRNA)-induced expression of IFNB1 and interferon-stimulated genes ISG15, IFIT1/ISG56, CXCL10, OASL and CCL5/RANTES (By similarity).[UniProtKB/Swiss-Prot Function]