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Product datasheet for MR226264L4V

Ticam2 (NM_173394) Mouse Tagged ORF Clone Lentiviral Particle

Product data:

Product Type:	Lentiviral Particles
Product Name:	Ticam2 (NM_173394) Mouse Tagged ORF Clone Lentiviral Particle
Symbol:	Ticam2
Synonyms:	B430113A10; TICAM-2; Tirp; TRAM; Trif
Mammalian Cell Selection:	Puromycin
Vector:	pLenti-C-mGFP-P2A-Puro (PS100093)
Tag:	mGFP
ACCN:	NM_173394
ORF Size:	696 bp
ORF Nucleotide Sequence:	`The ORF insert of this clone is exactly the same as(MR226264).`
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_173394.3, NP_775570.1
RefSeq Size:	3264 bp
RefSeq ORF:	699 bp
Locus ID:	225471
UniProt ID:	Q8BJQ4
Cytogenetics:	18 C

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Gene Summary: Functions as sorting adapter in different signaling pathways to facilitate downstream signaling leading to type I interferon induction. In TLR4 signaling, physically bridges TLR4 and TICAM1 and functionally transmits signal to TICAM1 in early endosomes after endocytosis of TLR4. In TLR2 signaling, physically bridges TLR2 and MYD88 and is required for the TLR2-dependent movement of MYD88 to endosomes following ligand engagement. Involved in IL-18 signaling and is proposed to function as a sorting adapter for MYD88 in IL-18 signaling during adaptive immune response. Forms a complex with RAB11FIP2 that is recruited to the phagosomes to promote the activation of the actin-regulatory GTPases RAC1 and CDC42 and subsequent phagocytosis of Gram-negative bacteria.[UniProtKB/Swiss-Prot Function]