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Product datasheet for MR208703L3V

Trip10 (NM_134125) Mouse Tagged ORF Clone Lentiviral Particle

Product data:

Product Type:	Lentiviral Particles
Product Name:	Trip10 (NM_134125) Mouse Tagged ORF Clone Lentiviral Particle
Symbol:	Trip10
Synonyms:	AI646975; Cip4
Mammalian Cell Selection:	Puromycin
Vector:	pLenti-C-Myc-DDK-P2A-Puro (PS100092)
Tag:	Myc-DDK
ACCN:	NM_134125
ORF Size:	1644 bp
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(MR208703).
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_134125.1
RefSeq Size:	2290 bp
RefSeq ORF:	1644 bp
Locus ID:	106628
UniProt ID:	Q8CJ53
Cytogenetics:	17 D

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Gene Summary: Required to coordinate membrane tubulation with reorganization of the actin cytoskeleton during endocytosis. Binds to lipids such as phosphatidylinositol 4,5-bisphosphate and phosphatidylserine and promotes membrane invagination and the formation of tubules. Also promotes CDC42-induced actin polymerization by recruiting WASL/N-WASP which in turn activates the Arp2/3 complex. Actin polymerization may promote the fission of membrane tubules to form endocytic vesicles. Required for the formation of podosomes, actin-rich adhesion structures specific to monocyte-derived cells. May be required for the lysosomal retention of FASLG/FASL (By similarity). Required for translocation of GLUT4 to the plasma membrane in response to insulin signaling.[UniProtKB/Swiss-Prot Function]