

Product datasheet for **MR214422L4V**

MIip (NM_027150) Mouse Tagged ORF Clone Lentiviral Particle

Product data:

Product Type:	Lentiviral Particles
Product Name:	MIip (NM_027150) Mouse Tagged ORF Clone Lentiviral Particle
Symbol:	MIip
Synonyms:	2310046A06Rik; AI931782; CIP
Mammalian Cell Selection:	Puromycin
Vector:	pLenti-C-mGFP-P2A-Puro (PS100093)
Tag:	mGFP
ACCN:	NM_027150
ORF Size:	807 bp
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(MR214422).
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_027150.1 , NP_081426.1
RefSeq Size:	1224 bp
RefSeq ORF:	810 bp
Locus ID:	69642
UniProt ID:	Q5FW52
Cytogenetics:	9 D


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Gene Summary:

Required for precocious cardiac adaptation to stress through integrated regulation of the AKT/mTOR pathways and FOXO1. Regulates cardiac homeostasis and plays an important role in protection against cardiac hypertrophy (PubMed:26359501, PubMed:22343712, PubMed:26436652). Acts as a transcriptional cofactor, represses transactivator activity of ISL1 and MYOCD (PubMed:22343712).[UniProtKB/Swiss-Prot Function]