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Product datasheet for MR211920L4V

Kif24 (NM_024241) Mouse Tagged ORF Clone Lentiviral Particle

Product data:

Product Type:	Lentiviral Particles
Product Name:	Kif24 (NM_024241) Mouse Tagged ORF Clone Lentiviral Particle
Symbol:	Kif24
Synonyms:	4933425J19Rik; 9430029L23Rik
Mammalian Cell Selection:	Puromycin
Vector:	pLenti-C-mGFP-P2A-Puro (PS100093)
Tag:	mGFP
ACCN:	NM_024241
ORF Size:	4068 bp
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(MR211920).
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_024241.2, NP_077203.2
RefSeq Size:	5616 bp
RefSeq ORF:	4071 bp
Locus ID:	109242
UniProt ID:	Q6NWW5
Cytogenetics:	4 A5

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Gene Summary: Microtubule-dependent motor protein that acts as a negative regulator of ciliogenesis by mediating recruitment of CCP110 to mother centriole in cycling cells, leading to restrict nucleation of cilia at centrioles. Mediates depolymerization of microtubules of centriolar origin, possibly to suppress aberrant cilia formation. Following activation by NEK2 involved in disassembly of primary cilium during G2/M phase but does not disassemble fully formed ciliary axonemes. As cilium assembly and disassembly is proposed to coexist in a dynamic equilibrium may suppress nascent cilium assembly and, potentially, ciliar re-assembly in cells that have already disassembled their cilia ensuring the completion of cilium removal in the later stages of the cell cycle (By similarity).[UniProtKB/Swiss-Prot Function]