

Product datasheet for **MR210130L4V**

Kif3a (NM_008443) Mouse Tagged ORF Clone Lentiviral Particle

Product data:

Product Type:	Lentiviral Particles
Product Name:	Kif3a (NM_008443) Mouse Tagged ORF Clone Lentiviral Particle
Symbol:	Kif3a
Synonyms:	Kif3; Kifl; Kns3
Mammalian Cell Selection:	Puromycin
Vector:	pLenti-C-mGFP-P2A-Puro (PS100093)
Tag:	mGFP
ACCN:	NM_008443
ORF Size:	2103 bp
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(MR210130).
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_008443.4 , NP_032469.2
RefSeq Size:	5450 bp
RefSeq ORF:	2106 bp
Locus ID:	16568
UniProt ID:	P28741
Cytogenetics:	11 31.97 cM


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Gene Summary:

Microtubule-based anterograde translocator for membranous organelles. Plus end-directed microtubule sliding activity in vitro. Plays a role in primary cilia formation (PubMed:21670265). Plays a role in centriole cohesion and subdistal appendage organization and function. Regulates the formation of the subdistal appendage via recruitment of DCTN1 to the centriole. Also required for ciliary basal feet formation and microtubule anchoring to mother centriole (PubMed:23386061).[UniProtKB/Swiss-Prot Function]