

Product datasheet for **MR218209L4V**

Fhdc1 (NM_001033301) Mouse Tagged ORF Clone Lentiviral Particle

Product data:

Product Type:	Lentiviral Particles
Product Name:	Fhdc1 (NM_001033301) Mouse Tagged ORF Clone Lentiviral Particle
Symbol:	Fhdc1
Synonyms:	6330505N24Rik; Gm126
Mammalian Cell Selection:	Puromycin
Vector:	pLenti-C-mGFP-P2A-Puro (PS100093)
Tag:	mGFP
ACCN:	NM_001033301
ORF Size:	3447 bp
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(MR218209).
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_001033301.4 , NP_001028473.2
RefSeq Size:	5930 bp
RefSeq ORF:	3450 bp
Locus ID:	229474
UniProt ID:	Q3ULZ2
Cytogenetics:	3 F1



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Gene Summary:

Microtubule-associated formin which regulates both actin and microtubule dynamics. Induces microtubule acetylation and stabilization and actin stress fiber formation (PubMed:18815276). Regulates Golgi ribbon formation (PubMed:26564798). Required for normal cilia assembly. Early in cilia assembly, may assist in the maturation and positioning of the centrosome/basal body, and once cilia assembly has initiated, may also promote cilia elongation by inhibiting disassembly (PubMed:29742020).[UniProtKB/Swiss-Prot Function]