

Product datasheet for **MR210596L4V**

Zfyve1 (NM_183154) Mouse Tagged ORF Clone Lentiviral Particle

Product data:

Product Type:	Lentiviral Particles
Product Name:	Zfyve1 (NM_183154) Mouse Tagged ORF Clone Lentiviral Particle
Symbol:	Zfyve1
Synonyms:	DFCP1; G630053K23; mKIAA1589; TAFF1; ZNFN2A1
Mammalian Cell Selection:	Puromycin
Vector:	pLenti-C-mGFP-P2A-Puro (PS100093)
Tag:	mGFP
ACCN:	NM_183154
ORF Size:	2334 bp
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(MR210596).
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_183154.2
RefSeq Size:	3869 bp
RefSeq ORF:	2334 bp
Locus ID:	217695
UniProt ID:	Q810J8
Cytogenetics:	12 D1


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Gene Summary:

Plays a role in the formation of lipid droplets (LDs) which are storage organelles at the center of lipid and energy homeostasis (PubMed:30970241). Regulates the morphology, size and distribution of LDs (PubMed:31293035, PubMed:30970241). Mediates the formation of endoplasmic reticulum-lipid droplets (ER-LD) contact sites by forming a complex with RAB18 and ZW10 (By similarity). Binds to phosphatidylinositol 3-phosphate (PtdIns3P) through FYVE-type zinc finger (By similarity).[UniProtKB/Swiss-Prot Function]