

Product datasheet for **RC212059L2V**

KIF7 (NM_198525) Human Tagged ORF Clone Lentiviral Particle

Product data:

Product Type:	Lentiviral Particles
Product Name:	KIF7 (NM_198525) Human Tagged ORF Clone Lentiviral Particle
Symbol:	KIF7
Synonyms:	ACLS; AGBK; HLS2; JBTS12; UNQ340
Mammalian Cell Selection:	None
Vector:	pLenti-C-mGFP (PS100071)
Tag:	mGFP
ACCN:	NM_198525
ORF Size:	2490 bp
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(RC212059).
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_198525.1 , NP_940927.1
RefSeq Size:	3121 bp
RefSeq ORF:	4032 bp
Locus ID:	374654
UniProt ID:	Q2M1P5
Cytogenetics:	15q26.1
Protein Families:	Druggable Genome
MW:	94.8 kDa



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Gene Summary:

This gene encodes a cilia-associated protein belonging to the kinesin family. This protein plays a role in the sonic hedgehog (SHH) signaling pathway through the regulation of GLI transcription factors. It functions as a negative regulator of the SHH pathway by preventing inappropriate activation of GLI2 in the absence of ligand, and as a positive regulator by preventing the processing of GLI3 into its repressor form. Mutations in this gene have been associated with various ciliopathies. [provided by RefSeq, Oct 2011]