

## Product datasheet for **RC203891L4V**

### KIF12 (NM\_138424) Human Tagged ORF Clone Lentiviral Particle

#### Product data:

Product Type:	Lentiviral Particles
Product Name:	KIF12 (NM_138424) Human Tagged ORF Clone Lentiviral Particle
Symbol:	KIF12
Mammalian Cell Selection:	Puromycin
Vector:	pLenti-C-mGFP-P2A-Puro (PS100093)
Tag:	mGFP
ACCN:	NM_138424
ORF Size:	1539 bp
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(RC203891).
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. <a href="#">More info</a>
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:	<a href="#">NM_138424.1</a> , <a href="#">NP_612433.1</a>
RefSeq Size:	2024 bp
RefSeq ORF:	1542 bp
Locus ID:	113220
UniProt ID:	<a href="#">Q96FN5</a>
Cytogenetics:	9q32
Protein Families:	Druggable Genome
MW:	56.6 kDa



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**Gene Summary:**

This gene encodes a member of the kinesin superfamily of microtubule-associated molecular motors with functions related to the microtubule cytoskeleton. Members of this superfamily play important roles in intracellular transport and cell division. A similar protein in mouse functions in the beta cell antioxidant signaling cascade, acting as a scaffold for the transcription factor specificity protein 1 (Sp1). Mice that lack this gene exhibit beta cell oxidative stress resulting in hypoinsulinemic glucose intolerance. [provided by RefSeq, Jul 2016]