

## Product datasheet for **RC218796L3V**

### Kinesin 5C (KIF5C) (NM\_004522) Human Tagged ORF Clone Lentiviral Particle

#### Product data:

Product Type:	Lentiviral Particles
Product Name:	Kinesin 5C (KIF5C) (NM_004522) Human Tagged ORF Clone Lentiviral Particle
Symbol:	Kinesin 5C
Synonyms:	CDCBM2; KINN; NKHC; NKHC-2; NKHC2
Mammalian Cell Selection:	Puromycin
Vector:	pLenti-C-Myc-DDK-P2A-Puro (PS100092)
Tag:	Myc-DDK
ACCN:	NM_004522
ORF Size:	2871 bp
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(RC218796).
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_004522.1</a>
RefSeq Size:	6927 bp
RefSeq ORF:	2874 bp
Locus ID:	3800
UniProt ID:	<a href="#">O60282</a>
Cytogenetics:	2q23.1-q23.2
Domains:	kinesin
Protein Families:	Druggable Genome


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**MW:** 109.3 kDa

**Gene Summary:** The protein encoded by this gene is a kinesin heavy chain subunit involved in the transport of cargo within the central nervous system. The encoded protein, which acts as a tetramer by associating with another heavy chain and two light chains, interacts with protein kinase CK2. Mutations in this gene have been associated with complex cortical dysplasia with other brain malformations-2. Two transcript variants, one protein-coding and the other non-protein coding, have been found for this gene. [provided by RefSeq, Jul 2015]