

## Product datasheet for **RC221818L4V**

### Midkine (MDK) (NM\_001012334) Human Tagged ORF Clone Lentiviral Particle

#### Product data:

Product Type:	Lentiviral Particles
Product Name:	Midkine (MDK) (NM_001012334) Human Tagged ORF Clone Lentiviral Particle
Symbol:	Midkine
Synonyms:	ARAP; MK; NRG1
Mammalian Cell Selection:	Puromycin
Vector:	pLenti-C-mGFP-P2A-Puro (PS100093)
Tag:	mGFP
ACCN:	NM_001012334
ORF Size:	429 bp
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(RC221818).
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_001012334.1</a>
RefSeq Size:	1015 bp
RefSeq ORF:	432 bp
Locus ID:	4192
UniProt ID:	<a href="#">P21741</a>
Cytogenetics:	11p11.2
Protein Families:	Druggable Genome, Secreted Protein, Transmembrane
MW:	15.6 kDa



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**Gene Summary:**

This gene encodes a member of a small family of secreted growth factors that binds heparin and responds to retinoic acid. The encoded protein promotes cell growth, migration, and angiogenesis, in particular during tumorigenesis. This gene has been targeted as a therapeutic for a variety of different disorders. Alternatively spliced transcript variants encoding multiple isoforms have been observed. [provided by RefSeq, Jul 2012]