

## Product datasheet for **RC200726L4V**

### RRM1 (NM\_001033) Human Tagged ORF Clone Lentiviral Particle

#### Product data:

Product Type:	Lentiviral Particles
Product Name:	RRM1 (NM_001033) Human Tagged ORF Clone Lentiviral Particle
Symbol:	RRM1
Synonyms:	R1; RIR1; RR1
Mammalian Cell Selection:	Puromycin
Vector:	pLenti-C-mGFP-P2A-Puro (PS100093)
Tag:	mGFP
ACCN:	NM_001033
ORF Size:	2376 bp
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(RC200726).
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_001033.2</a>
RefSeq Size:	3117 bp
RefSeq ORF:	2379 bp
Locus ID:	6240
UniProt ID:	<a href="#">P23921</a>
Cytogenetics:	11p15.4
Domains:	ribonuc_red_lg, ATP-cone
Protein Families:	Druggable Genome



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**Protein Pathways:** Glutathione metabolism, Metabolic pathways, Purine metabolism, Pyrimidine metabolism

**MW:** 90.1 kDa

**Gene Summary:** This gene encodes the large and catalytic subunit of ribonucleotide reductase, an enzyme essential for the conversion of ribonucleotides into deoxyribonucleotides. A pool of available deoxyribonucleotides is important for DNA replication during S phase of the cell cycle as well as multiple DNA repair processes. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Dec 2015]