

## Product datasheet for **RC217673L4V**

### **RNPS1 (NM\_006711) Human Tagged ORF Clone Lentiviral Particle**

#### **Product data:**

Product Type:	Lentiviral Particles
Product Name:	RNPS1 (NM_006711) Human Tagged ORF Clone Lentiviral Particle
Symbol:	RNPS1
Synonyms:	E5.1
Mammalian Cell Selection:	Puromycin
Vector:	pLenti-C-mGFP-P2A-Puro (PS100093)
Tag:	mGFP
ACCN:	NM_006711
ORF Size:	915 bp
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(RC217673).
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_006711.2</a>
RefSeq Size:	2038 bp
RefSeq ORF:	918 bp
Locus ID:	10921
UniProt ID:	<a href="#">Q15287</a>
Cytogenetics:	16p13.3
Domains:	RRM
Protein Families:	Transcription Factors



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**MW:** 34 kDa

**Gene Summary:** This gene encodes a protein that is part of a post-splicing multiprotein complex involved in both mRNA nuclear export and mRNA surveillance. mRNA surveillance detects exported mRNAs with truncated open reading frames and initiates nonsense-mediated mRNA decay (NMD). When translation ends upstream from the last exon-exon junction, this triggers NMD to degrade mRNAs containing premature stop codons. This protein binds to the mRNA and remains bound after nuclear export, acting as a nucleocytoplasmic shuttling protein. This protein contains many serine residues. Several transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Nov 2013]