

Product datasheet for **RC208018L2V**

UPF1 (NM_002911) Human Tagged ORF Clone Lentiviral Particle

Product data:

Product Type:	Lentiviral Particles
Product Name:	UPF1 (NM_002911) Human Tagged ORF Clone Lentiviral Particle
Symbol:	UPF1
Synonyms:	HUPF1; NORF1; pNORF1; RENT1; smg-2; UTF
Mammalian Cell Selection:	None
Vector:	pLenti-C-mGFP (PS100071)
Tag:	mGFP
ACCN:	NM_002911
ORF Size:	3354 bp
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(RC208018).
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. More info
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:	NM_002911.3
RefSeq Size:	5360 bp
RefSeq ORF:	3357 bp
Locus ID:	5976
UniProt ID:	Q92900
Cytogenetics:	19p13.11
Protein Families:	Druggable Genome
MW:	123 kDa



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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 is located only in the cytoplasm. When translation ends, it interacts with the protein that is a functional homolog of yeast Upf2p to trigger mRNA decapping. Use of multiple polyadenylation sites has been noted for this gene. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Jul 2014]