

Product datasheet for **RC217633L4V**

UPF2 (NM_015542) Human Tagged ORF Clone Lentiviral Particle

Product data:

Product Type:	Lentiviral Particles
Product Name:	UPF2 (NM_015542) Human Tagged ORF Clone Lentiviral Particle
Symbol:	UPF2
Synonyms:	HUPF2; RENT2; smg-3
Mammalian Cell Selection:	Puromycin
Vector:	pLenti-C-mGFP-P2A-Puro (PS100093)
Tag:	mGFP
ACCN:	NM_015542
ORF Size:	3816 bp
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(RC217633).
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_015542.2
RefSeq Size:	5217 bp
RefSeq ORF:	3819 bp
Locus ID:	26019
UniProt ID:	Q9HAU5
Cytogenetics:	10p14
Domains:	MIF4G, Upf2
MW:	147.8 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 in the perinuclear area. It interacts with translation release factors and the proteins that are functional homologs of yeast Upf1p and Upf3p. Two splice variants have been found for this gene; both variants encode the same protein. [provided by RefSeq, Jul 2008]