

Product datasheet for **MR226926L4V**

Upf2 (NM_001081132) Mouse Tagged ORF Clone Lentiviral Particle

Product data:

Product Type:	Lentiviral Particles
Product Name:	Upf2 (NM_001081132) Mouse Tagged ORF Clone Lentiviral Particle
Symbol:	Upf2
Mammalian Cell Selection:	Puromycin
Vector:	pLenti-C-mGFP-P2A-Puro (PS100093)
Tag:	mGFP
ACCN:	NM_001081132
ORF Size:	3807 bp
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(MR226926).
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_001081132.1 , NP_001074601.1
RefSeq Size:	5174 bp
RefSeq ORF:	3810 bp
Locus ID:	326622
UniProt ID:	A2AT37
Cytogenetics:	2 A1



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Gene Summary:

Involved in nonsense-mediated decay (NMD) of mRNAs containing premature stop codons by associating with the nuclear exon junction complex (EJC). Recruited by UPF3B associated with the EJC core at the cytoplasmic side of the nuclear envelope and the subsequent formation of an UPF1-UPF2-UPF3 surveillance complex (including UPF1 bound to release factors at the stalled ribosome) is believed to activate NMD. In cooperation with UPF3B stimulates both ATPase and RNA helicase activities of UPF1. Binds spliced mRNA.[UniProtKB/Swiss-Prot Function]