

## Product datasheet for **RC203298L4V**

### EIF4A1 (NM\_001416) Human Tagged ORF Clone Lentiviral Particle

#### Product data:

Product Type:	Lentiviral Particles
Product Name:	EIF4A1 (NM_001416) Human Tagged ORF Clone Lentiviral Particle
Symbol:	EIF4A1
Synonyms:	DDX2A; EIF-4A; eIF-4A-I; EIF4A; eIF4A-I
Mammalian Cell Selection:	Puromycin
Vector:	pLenti-C-mGFP-P2A-Puro (PS100093)
Tag:	mGFP
ACCN:	NM_001416
ORF Size:	1218 bp
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(RC203298).
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_001416.2</a>
RefSeq Size:	1894 bp
RefSeq ORF:	1221 bp
Locus ID:	1973
UniProt ID:	<a href="#">P60842</a>
Cytogenetics:	17p13.1
Domains:	DEAD, helicase_C
MW:	46.2 kDa



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**Gene Summary:**

ATP-dependent RNA helicase which is a subunit of the eIF4F complex involved in cap recognition and is required for mRNA binding to ribosome. In the current model of translation initiation, eIF4A unwinds RNA secondary structures in the 5'-UTR of mRNAs which is necessary to allow efficient binding of the small ribosomal subunit, and subsequent scanning for the initiator codon.[UniProtKB/Swiss-Prot Function]