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Product datasheet for MR223361L4V

Eif4g1 (NM_001005331) Mouse Tagged ORF Clone Lentiviral Particle

Product data:

Product Type:	Lentiviral Particles
Product Name:	Eif4g1 (NM_001005331) Mouse Tagged ORF Clone Lentiviral Particle
Symbol:	Eif4g1
Synonyms:	E030015G23Rik; eIF4GI
Mammalian Cell Selection:	Puromycin
Vector:	pLenti-C-mGFP-P2A-Puro (PS100093)
Tag:	mGFP
ACCN:	NM_001005331
ORF Size:	4779 bp
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(MR223361).
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_001005331.1, NP_001005331.1
RefSeq Size:	5460 bp
RefSeq ORF:	4782 bp
Locus ID:	208643
Cytogenetics:	16 B1

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Gene Summary: This gene encodes a member of the eukaryotic translation initiation factors (eIF) that play important roles in translation initiation by mediating recruitment of additional initiation factors and providing a scaffold for ribosome/mRNA-bridging. Along with eIF4A and eIF4E, the encoded protein forms the eIF4F complex that bridges the 5' UTR with the polyadenylated 3' UTR resulting in mRNA circularization, enhanced translation initiation and mRNA stability. Through its association with eIF3, the encoded protein mediates recruitment of the 43S pre-initiation complex to mRNA. Alternative splicing of this gene results in multiple transcript variants. Pseudogenes for this gene have been identified on chromosomes 2 and 13. [provided by RefSeq, Jan 2015]