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Product datasheet for RC212591L3V

eIF4GII (EIF4G3) (NM_003760) Human Tagged ORF Clone Lentiviral Particle

Product data:

Product Type:	Lentiviral Particles
Product Name:	eIF4GII (EIF4G3) (NM_003760) Human Tagged ORF Clone Lentiviral Particle
Symbol:	EIF4G3
Synonyms:	eIF-4G 3; eIF4G 3; eIF4GII
Mammalian Cell Selection:	Puromycin
Vector:	pLenti-C-Myc-DDK-P2A-Puro (PS100092)
Tag:	Myc-DDK
ACCN:	NM_003760
ORF Size:	4755 bp
ORF Nucleotide Sequence:	`The ORF insert of this clone is exactly the same as(RC212591).`
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_003760.2, NP_003751.2
RefSeq Size:	5880 bp
RefSeq ORF:	4758 bp
Locus ID:	8672
UniProt ID:	O43432
Cytogenetics:	1p36.12
Domains:	eIF5C, MIF4G, MA3
Protein Families:	Transcription Factors

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Protein Pathways: Viral myocarditis

MW: 176.5 kDa

Gene Summary: The protein encoded by this gene is thought to be part of the eIF4F protein complex, which is involved in mRNA cap recognition and transport of mRNAs to the ribosome. Interestingly, a microRNA (miR-520c-3p) has been found that negatively regulates synthesis of the encoded protein, and this leads to a global decrease in protein translation and cell proliferation. Therefore, this protein is a key component of the anti-tumor activity of miR-520c-3p. [provided by RefSeq, May 2016]