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Product datasheet for RC201391L1V

EIF4EL3 (EIF4E2) (NM_004846) Human Tagged ORF Clone Lentiviral Particle

Product data:

Product Type:	Lentiviral Particles
Product Name:	EIF4EL3 (EIF4E2) (NM_004846) Human Tagged ORF Clone Lentiviral Particle
Symbol:	EIF4EL3
Synonyms:	4E-LP; 4EHP; EIF4EL3; h4EHP; IF4e
Mammalian Cell Selection:	None
Vector:	pLenti-C-Myc-DDK (PS100064)
Tag:	Myc-DDK
ACCN:	NM_004846
ORF Size:	735 bp
ORF Nucleotide Sequence:	`The ORF insert of this clone is exactly the same as(RC201391).`
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_004846.2
RefSeq Size:	1078 bp
RefSeq ORF:	738 bp
Locus ID:	9470
UniProt ID:	O60573
Cytogenetics:	2q37.1
Domains:	IF4E
Protein Families:	Transcription Factors

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Protein Pathways: Insulin signaling pathway, mTOR signaling pathway

MW: 28.4 kDa

Gene Summary: Recognizes and binds the 7-methylguanosine-containing mRNA cap during an early step in the initiation (PubMed:9582349, PubMed:17368478, PubMed:25624349). Acts as a repressor of translation initiation (PubMed:22751931). In contrast to EIF4E, it is unable to bind eIF4G (EIF4G1, EIF4G2 or EIF4G3), suggesting that it acts by competing with EIF4E and block assembly of eIF4F at the cap (By similarity).[UniProtKB/Swiss-Prot Function]