

## Product datasheet for **MR203331L3V**

### Eif4e2 (BC049077) Mouse Tagged ORF Clone Lentiviral Particle

#### Product data:

Product Type:	Lentiviral Particles
Product Name:	Eif4e2 (BC049077) Mouse Tagged ORF Clone Lentiviral Particle
Symbol:	Eif4e2
Synonyms:	2700069E09Rik; AI036339; AV129531; D0H0S6743E; Eif4el3
Mammalian Cell Selection:	Puromycin
Vector:	pLenti-C-Myc-DDK-P2A-Puro (PS100092)
Tag:	Myc-DDK
ACCN:	BC049077
ORF Size:	771 bp
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(MR203331).
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="#">BC049077</a> , <a href="#">AAH49077</a>
RefSeq Size:	2855 bp
RefSeq ORF:	773 bp
Locus ID:	26987
Cytogenetics:	1 C5



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**Gene Summary:**

Recognizes and binds the 7-methylguanosine-containing mRNA cap during an early step in the initiation (PubMed:15153109). Acts as a repressor of translation initiation (By similarity). 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 (PubMed:15153109). [UniProtKB/Swiss-Prot Function]