

## Product datasheet for **MR210301L3V**

### Eef2k (NM\_007908) Mouse Tagged ORF Clone Lentiviral Particle

#### Product data:

Product Type:	Lentiviral Particles
Product Name:	Eef2k (NM_007908) Mouse Tagged ORF Clone Lentiviral Particle
Symbol:	Eef2k
Synonyms:	C86191; eEF-2K
Mammalian Cell Selection:	Puromycin
Vector:	pLenti-C-Myc-DDK-P2A-Puro (PS100092)
Tag:	Myc-DDK
ACCN:	NM_007908
ORF Size:	2172 bp
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(MR210301).
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_007908.3</a>
RefSeq Size:	3079 bp
RefSeq ORF:	2175 bp
Locus ID:	13631
UniProt ID:	<a href="#">O08796</a>
Cytogenetics:	7 F2



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**Gene Summary:**

Threonine kinase that regulates protein synthesis by controlling the rate of peptide chain elongation. Upon activation by a variety of upstream kinases including AMPK or TRPM7, phosphorylates the elongation factor EEF2 at a single site, renders it unable to bind ribosomes and thus inactive. In turn, the rate of protein synthesis is reduced.  
[UniProtKB/Swiss-Prot Function]