

Product datasheet for **MR200530L4V**

Eif4ebp1 (NM_007918) Mouse Tagged ORF Clone Lentiviral Particle

Product data:

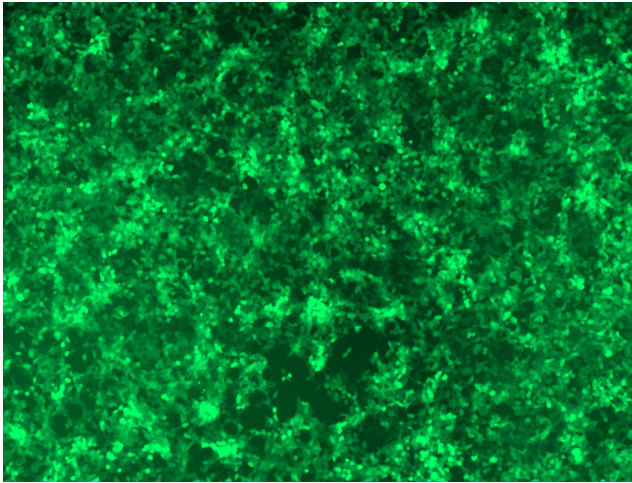
Product Type:	Lentiviral Particles
Product Name:	Eif4ebp1 (NM_007918) Mouse Tagged ORF Clone Lentiviral Particle
Symbol:	Eif4ebp1
Synonyms:	4e-bp1; AA959816; PHAS-I
Mammalian Cell Selection:	Puromycin
Vector:	pLenti-C-mGFP-P2A-Puro (PS100093)
Tag:	mGFP
ACCN:	NM_007918
ORF Size:	354 bp
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(MR200530).
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_007918.3 , NP_031944.3
RefSeq Size:	981 bp
RefSeq ORF:	354 bp
Locus ID:	13685
UniProt ID:	Q60876
Cytogenetics:	8 15.95 cM



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Gene Summary:

Repressor of translation initiation that regulates EIF4E activity by preventing its assembly into the eIF4F complex: hypophosphorylated form competes with EIF4G1/EIF4G3 and strongly binds to EIF4E, leading to repress translation. In contrast, hyperphosphorylated form dissociates from EIF4E, allowing interaction between EIF4G1/EIF4G3 and EIF4E, leading to initiation of translation (By similarity). Mediates the regulation of protein translation by hormones, growth factors and other stimuli that signal through the MAP kinase and mTORC1 pathways (PubMed:7629182).[UniProtKB/Swiss-Prot Function]

Product images:

[MR200530L4] was used to prepare Lentiviral particles using [TR30037] packaging kit. HEK293T cells were transduced with MR200530L4V particle to overexpress human Eif4ebp1-mGFP fusion protein.