

Product datasheet for **MR209515L4V**

Ctif (NM_201354) Mouse Tagged ORF Clone Lentiviral Particle

Product data:

Product Type:	Lentiviral Particles
Product Name:	Ctif (NM_201354) Mouse Tagged ORF Clone Lentiviral Particle
Symbol:	Ctif
Synonyms:	Gm672
Mammalian Cell Selection:	Puromycin
Vector:	pLenti-C-mGFP-P2A-Puro (PS100093)
Tag:	mGFP
ACCN:	NM_201354
ORF Size:	1872 bp
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(MR209515).
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_201354.1 , NP_958742.1
RefSeq Size:	6192 bp
RefSeq ORF:	1872 bp
Locus ID:	269037
UniProt ID:	Q6PEE2
Cytogenetics:	18 E3



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Gene Summary:

Specifically required for the pioneer round of mRNA translation mediated by the cap-binding complex (CBC), that takes place during or right after mRNA export via the nuclear pore complex (NPC). Acts via its interaction with the NCBP1/CBP80 component of the CBC complex and recruits the 40S small subunit of the ribosome via eIF3. In contrast, it is not involved in steady state translation, that takes place when the CBC complex is replaced by cytoplasmic cap-binding protein eIF4E. Also required for nonsense-mediated mRNA decay (NMD), the pioneer round of mRNA translation mediated by the cap-binding complex playing a central role in nonsense-mediated mRNA decay (NMD) (By similarity).[UniProtKB/Swiss-Prot Function]