

## Product datasheet for **MR222937L4V**

### Cyfp1 (NM\_011370) Mouse Tagged ORF Clone Lentiviral Particle

#### Product data:

Product Type:	Lentiviral Particles
Product Name:	Cyfp1 (NM_011370) Mouse Tagged ORF Clone Lentiviral Particle
Symbol:	Cyfp1
Synonyms:	E030028J09Rik; l(7)1RI; l7RI1; l71RI; mKIAA0068; P140SRA-1; P140sra1; pl-1; Shyc; Sra-1; Sra1
Mammalian Cell Selection:	Puromycin
Vector:	pLenti-C-mGFP-P2A-Puro (PS100093)
Tag:	mGFP
ACCN:	NM_011370
ORF Size:	3759 bp
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(MR222937).
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_011370.3</a> , <a href="#">NP_035500.2</a>
RefSeq Size:	6471 bp
RefSeq ORF:	3762 bp
Locus ID:	20430
UniProt ID:	<a href="#">Q7TMB8</a>
Cytogenetics:	7 B5



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**Gene Summary:**

Component of the CYFIP1-EIF4E-FMR1 complex which binds to the mRNA cap and mediates translational repression. In the CYFIP1-EIF4E-FMR1 complex this subunit is an adapter between EIF4E and FMR1. Promotes the translation repression activity of FMR1 in brain probably by mediating its association with EIF4E and mRNA (By similarity). Regulates formation of membrane ruffles and lamellipodia. Plays a role in axon outgrowth. Binds to F-actin but not to RNA. Part of the WAVE complex that regulates actin filament reorganization via its interaction with the Arp2/3 complex. Actin remodeling activity is regulated by RAC1. Regulator of epithelial morphogenesis. May act as an invasion suppressor in cancers. As component of the WAVE1 complex, required for BDNF-NTRK2 endocytic trafficking and signaling from early endosomes (PubMed:27605705).[UniProtKB/Swiss-Prot Function]