

## Product datasheet for **RC203015L4V**

### **CYFIP1 (NM\_014608) Human Tagged ORF Clone Lentiviral Particle**

#### **Product data:**

Product Type:	Lentiviral Particles
Product Name:	CYFIP1 (NM_014608) Human Tagged ORF Clone Lentiviral Particle
Symbol:	CYFIP1
Synonyms:	P140SRA-1; SHYC; SRA-1; SRA1
Mammalian Cell Selection:	Puromycin
Vector:	pLenti-C-mGFP-P2A-Puro (PS100093)
Tag:	mGFP
ACCN:	NM_014608
ORF Size:	3759 bp
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(RC203015).
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_014608.2</a>
RefSeq Size:	4446 bp
RefSeq ORF:	3762 bp
Locus ID:	23191
UniProt ID:	<a href="#">Q7L576</a>
Cytogenetics:	15q11.2
Protein Pathways:	Regulation of actin cytoskeleton
MW:	145 kDa



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**Gene Summary:**

This gene encodes a protein that regulates cytoskeletal dynamics and protein translation. The encoded protein is a component of the WAVE regulatory complex (WRC), which promotes actin polymerization. This protein also interacts with the Fragile X mental retardation protein (FMRP) and translation initiation factor 4E to inhibit protein translation. A large chromosomal deletion including this gene is associated with increased risk of schizophrenia and epilepsy in human patients. Reduced expression of this gene has been observed in various human cancers and the encoded protein may inhibit tumor invasion. [provided by RefSeq, May 2017]