

Product datasheet for **RG240076**

CYFIP1 (NM_001287810) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	CYFIP1 (NM_001287810) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	CYFIP1
Synonyms:	P140SRA-1; SHYC; SRA-1; SRA1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>RG240076 representing NM_001287810. Blue=ORF Red=Cloning site Green=Tag(s)

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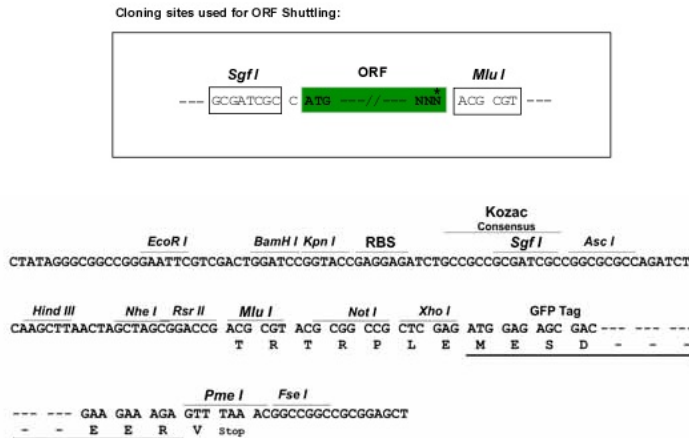
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Protein Sequence: >Peptide sequence encoded by RG240076
 Blue=ORF Red=Cloning site Green=Tag(s)

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Restriction Sites: SgfI-MluI

Cloning Scheme:

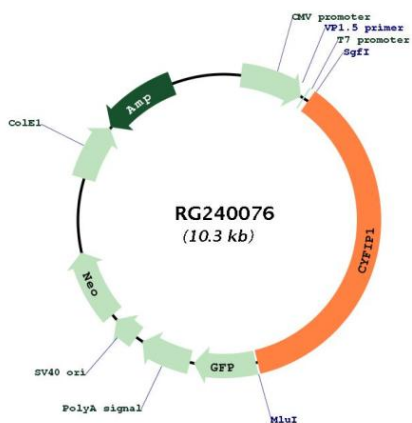


ACCN: NM_001287810

ORF Size: 3759 bp

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.
Components:	The ORF clone is ion-exchange column purified and shipped in a 2D barcoded Matrix tube containing 10ug of transfection-ready, dried plasmid DNA (reconstitute with 100 ul of water).
RefSeq:	NM_001287810.4
RefSeq Size:	4600 bp
RefSeq ORF:	3762 bp
Locus ID:	23191
UniProt ID:	Q7L576
Cytogenetics:	15q11.2
Protein Pathways:	Regulation of actin cytoskeleton
MW:	145.2 kDa
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]

Product images:



Circular map for RG240076