

Product datasheet for **SC337970**

CYFIP1 (NM_001287810) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	CYFIP1 (NM_001287810) Human Untagged Clone
Tag:	Tag Free
Symbol:	CYFIP1
Synonyms:	P140SRA-1; SHYC; SRA-1; SRA1
Vector:	<u>pCMV6 series</u>
Fully Sequenced ORF:	>NCBI ORF sequence for NM_001287810, the custom clone sequence may differ by one or more nucleotides

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ATGGCGGCCAGGTGACTCTGGAGGACGCGCTGTCCAACGTGGACCTCCTGGAGGAGTGCCCTGCCCG
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ACCATGGGCAGGAGGATCCAGTTCCCATTGAGATGTCGATGCCCTGGATCCTGACGGACCACATCCTGG
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 AAGGACATCGTGGAGTACGACAGCTGAAGACGGTGTGCTTCCAGAACCTGCGGGAGGTGGGGAACGCCA
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 GGCAAAGATGAGATTATTAATAATGTGCCTTTGAAGAAGATGGTGGAGAGAATTCGCAAGTTCCAGATTC
 TCAATGATGAGATCATCACCATCCTGGATAAGTACCTGAAGTACAGGCGACGGGGAGGGCACGCCAGTGGA
 GCATGTGCGCTGCTTCCAGCCGCCATCCACCAGTCCCTCGCCAGCAGCTGA

- Restriction Sites:** SgfI-MluI
- ACCN:** NM_001287810
- OTI Disclaimer:** Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).
- 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).
- Reconstitution Method:**
1. Centrifuge at 5,000xg for 5min.
 2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.
 3. Close the tube and incubate for 10 minutes at room temperature.
 4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.
 5. Store the suspended plasmid at -20°C. The DNA is stable for at least one year from date of shipping when stored at -20°C.
- RefSeq:** [NM_001287810.1](#), [NP_001274739.1](#)
- RefSeq Size:** 4600 bp

RefSeq ORF: 3762 bp

Locus ID: 23191

UniProt ID: [Q7L576](#)

Cytogenetics: 15q11.2

Protein Pathways: Regulation of actin cytoskeleton

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]
Transcript Variant: This variant (2), as well as variants 1, 3, and 4, encodes isoform a.
Sequence Note: This RefSeq record was created from transcript and genomic sequence data to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on transcript alignments.