

## Product datasheet for **SC302677**

### **CYFIP1 (NM\_001033028) Human Untagged Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	CYFIP1 (NM_001033028) Human Untagged Clone
Tag:	Tag Free
Symbol:	CYFIP1
Synonyms:	P140SRA-1; SHYC; SRA-1; SRA1
Vector:	<u>pCMV6 series</u>



[View online »](#)

**Fully Sequenced ORF:** >NCBI ORF sequence for NM\_001033028, the custom clone sequence may differ by one or more nucleotides

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ATGGCCGAGTCTTGGGCTCTGCCGAGCTGCTCAGGCAGCTCAAGTCTCTGGGCATGGAG
AGGCTCTTGCATGCGGTTAACACGTTTCTGAGGCAGTCGTGCACCTACCTACCCCTTTTA
ACCTTTGGTGGTAAGACATCATTGTTTCTCTTGACGTTTATGGCACGGAGGCGAACTGC
TCCGCTACAAGTTGTTCTTTCCCAAAGCAGCAGCAACGTGGCCGCTAGACAGGCACCC
GGACCCCTCGGGGAGCTGGTGCGGGGCCCTCCCGACCAGGGCGTAGCGGAGCAGTCCTTC
TCTCATGGGCTTTTTGAGTTTGGCATAACTAATGTACCATGTATATTTTCTCCCCACAA
ATGTTTCTTGGATAATCCAGCTTTACATGGTGAGAACCATGCTAGAGTCCCTCATTGCA
GACAAAAGTGGTTC AAGAAAACCTTGAGAAGTAGCCTTGAGGGGCCACCATATTGGAC
ATAGAAAAATTTTCATCGAGAGTCATTCTTCTACACTCACTTGATAAAATTCAGTGAACG
CTGCAGCAGTGTGTGACCTTTCGCAGCTGTGGTCCGAGAGTCTTCTCTGGAGCTGACC
ATGGGCAGGAGGATCCAGTTCCTCATTGAGATGTCGATGCCCTGGATCCTGACGGACCAC
ATCCTGGAGACCAAGGAGGCATCGATGATGGAGTACGTGCTCTACTCCCTGGACCTGTAC
AATGACAGCGCCCACTACGCGCTCACCAGTTCACAAAGCAGTTCCTGTACGACGAAATT
GAGGCCGAGGTGAATCTATGTTTGGACCAATTTGTTTACAAGCTAGCAGACCAGATATTT
GCCTATTATAAGGTTATGGCAGGAAGTTTGCTTCTTGATAAACCGTTACGATCAGAATGC
AAGAATCAGGGAGCCACGATCCACCTCCCGCGCTAACCCTACGAGACGCTGTGTAAG
CAGAGGCATGTGCAGCTCCTCGGCAGATCAATAGACCTCAATCGTCTGATCACCAGCGC
GTCTCAGCAGCCATGTATAAGTCCCTAGAACTGGCGATTGGACGATTTGAAAAGTGAAGAT
TTGACCTCCATAGTTGAGCTGGATGGCCTGTTGGAAATCAACCGCATGACCCACAAGCTG
CTGAGCCGGTACCTGACGCTGGACGGCTTCGACGCCATGTTCCGGGAGGCCAACCACAAC
TGTCAGCGCCCTACGGGAGGATCACCTGCACGCTCTTCTGGGAGCTCAACTATGACTTC
CTGCCCCAACTACTGCTACAACGGCTCTACCAACCGGTTTGTTCGGACAGTGTACCATTT
TCTCAGGAATTTCAAAGAGATAAGCAGCCTAATGCACAGCCTCAGTATCTGCATGGATCC
AAGGCTTTGAACTTGGCCTACTCCAGCATTACGGCAGCTACCGAACTTCGTGGGACCT
CCACACTTTCAAGTCATCTGCCGGCTTCTCGGCTACCAGGGTATCGCCGTGGTCATGGAG
GAGCTGCTGAAGTGTCAAGAGCCTGCTGCAAGGCACAATCCTGCAGTACGTGAAGACG
CTGATGGAGGTGATGCCAAGATCTGCCGCTGCCCGGCACGAGTACGGCTCTCCTGGT
ATCCTGGAGTTCTCCACCACCAGCTGAAGGACATCGTGGAGTACGCAGAGCTGAAGACG
GTGTGCTTCCAGAACCTCGGGAGGTGGGAACGCCATCCTCTTCTGCCTGCTCATCGAG
CAGAGCCTGTCTTTAGAAGAAGTGTGTGACCTGCTGCACGCGGCTCCTTCCAGAACATC
TTGCCCGAGTCCATGTGAAAGAGGGGGAGAGACTTGATGCCAAAATGAAAAGACTAGAA
TCAAAGTACGCCCGCTGCATCTTGTCCTCACTGATTGAAAGACTGGGGACCCCTCAGCAA
ATTGCCATCGCAAGAGAGGGGGACCTGCTGACAAAGGAGCGCCTCTGCTGCGGCTGTCC
ATGTTTGGAGTCACTGACACGGATCCGGAGCTTTCTGGATGACCCATCTGGCGCGGG
CCTCTGCCAGCAATGGGGTCAATGCATGTGGACGAGTGTGTGGAGTTTACAGACTGTGG
AGTGCCATGCAGTTTGTCTACTGCATTCCTGTTGGGACACACGAGTTCACAGTCGAGCAG
TGCTTTGGTGTGGGCTACACTGGGCTGGCTGTATGATCATCGTACTTCTTGGGCAGCAG
CGGCGTTTTGCTGTGCTGGATTTCTGCTACCATCTACTTAAAGTCCAGAAACATGATGGC
AAAGATGAGATTATTAATAATGTGCCTTTGAAGAAGATGGTGGAGAGAATTCGAAAGTTC
CAGATTCTCAATGATGAGATCATCACCATCCTGGATAAGTACCTGAAGTCAAGGACGGG
GAGGGCACGCCAGTGGAGCATGTGCGCTGCTTCCAGCGCCCATCCACCAGTCCCTCGCC
AGCAGCTGA
    
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**Restriction Sites:** Please inquire  
**ACCN:** NM\_001033028

<b>OTI Disclaimer:</b>	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).
<b>OTI Annotation:</b>	This TrueClone is provided through our Custom Cloning Process that includes sub-cloning into OriGene's pCMV6 vector and full sequencing to provide a non-variant match to the expected reference without frameshifts, and is delivered as lyophilized plasmid DNA.
<b>Components:</b>	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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"><li>1. Centrifuge at 5,000xg for 5min.</li><li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li><li>3. Close the tube and incubate for 10 minutes at room temperature.</li><li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li><li>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.</li></ol>
<b>RefSeq:</b>	<u><a href="#">NM_001033028.1</a></u> , <u><a href="#">NP_001028200.1</a></u>
<b>RefSeq Size:</b>	3351 bp
<b>RefSeq ORF:</b>	2469 bp
<b>Locus ID:</b>	23191
<b>UniProt ID:</b>	<u><a href="#">Q7L576</a></u>
<b>Cytogenetics:</b>	15q11.2
<b>Protein Pathways:</b>	Regulation of actin cytoskeleton
<b>Gene Summary:</b>	<p>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]</p> <p>Transcript Variant: This variant (2) differs in the 5' UTR, lacks a portion of the 5' coding region, and initiates translation at an alternate start codon, compared to variant 1. The encoded isoform (B) has a distinct N-terminus and is shorter than isoform</p>