

Product datasheet for SC321156

CYFIP2 (NM_001037332) Human Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: CYFIP2 (NM_001037332) Human Untagged Clone
Tag: Tag Free
Symbol: CYFIP2
Synonyms: PIR121
Mammalian Cell Selection: Neomycin
Vector: pCMV6-AC (PS100020)
E. coli Selection: Ampicillin (100 ug/mL)

Fully Sequenced ORF: >OriGene sequence for NM_001037332.2
 GTAGAGTTAAGGAAGGGCCTCTTCCTCTGTGAGAATTCAGCATTTTGAACCATCCAAAA
 ATGTTGAGGGCATGCTTTGCTTCCAGGGCAGACAGAGCAGCAGTGAGCATGGGACACA
 GGATCCCTGACTTGCTGTGTGCCCTTAAACCAGCCACTACCTCTCTGACGTTCAAAATTG
 AGCAATGGAAGGCAGCCTGCCAACTGTTACCTGCCTGTCATCATGAAAGCCTGCGGATG
 AGTGCAGAATACAGAACTGCAGCCATGACCACGCACGTCACCCTGGAAGATGCCCTGTC
 CAACGTGGACCTGCTTGAAGAGCTTCCCCTCCCCGACCAGCAGCCATGCATCGAGCCTCC
 ACCTTCTCCATCATGTACCAGGCTAATTTGACACAACTTTGAGGACAGGAATGCATT
 TGTACCGGCATTGCAAGGTACATTGAGCAGGCTACAGTCCACTCCAGCATGAATGAGAT
 GCTGGAGGAAGGACATGAGTATGCGGTCATGCTGTACACCTGGCGCAGCTGTTCCCGGGC
 CATTCCCAGGTGAAATGCAACGAGCAGCCCAACCGAGTAGAGATCTATGAGAAGACAGT
 AGAGGTGCTGGAGCCGGAGGTCACCAAGCTCATGAAGTTCATGTATTTTCAGCGCAAGGC
 CATCGAGCGGTTCTGCAGCGAGGTGAAGCGGCTGTGCCATGCCGAGCGCAGGAAGGACTT
 TGTCTCTGAGGCCTACCTCCTGACCCTTGGCAAGTTCATCAACATGTTTGTCTGCTGGA
 TGAGCTAAAGAACATGAAGTGCAGCGTCAAGAATGACCACTCTGCCTACAAGAGGGCAGC
 ACAGTTCCTGCGGAAGATGGCAGATCCCCAGTCTATCCAGGAGTCGCAGAACCTTTCCAT
 GTTCTTGCCCAACCACAACAGGATCACCCAGTGTCTCCACCAGCAACTTGAAGTGATCCC
 AGGCTATGAGGAGCTGCTGGCTGACATTGTCAACATCTGTGTGGATTACTACGAGAACAA
 GATGTACCTGACTCCCAGTGAGAAACATATGCTCCTCAAGTGATGGGCTTTGGCCTCTA
 CCTAATGGATGGAAATGTCAGTAACATTTACAAACTGGATGCCAAGAAGAGAATTAATCT
 TAGCAAAATTGATAAATTCTTTAAGCAGCTGCAGGTGGTGCCCTTTTCGGCGACATGCA
 GATAGAGCTGGCCAGATACATTAAGACCAGTGCTCACTATGAAGAGAACAAGTCCAAGTG
 GACGTGCACCCAGAGCAGCATCAGCCCCAGTACAATATCTGCGAGCAGATGGTTCAGAT
 CCGGGATGACCACATCCGCTTCTCTCCGAGCTCGCTCGCTACAGCAACAGTGAGGTGGT
 GACGGGCTCAGGGCTGGACAGCCAGAAGTCAGACGAGGAGTATCGCGAGCTCTTCGACCT
 AGCCCTGCGGGTCTGCAGCTTCTATCCAAGTGGAGCGCCACGTCATGGAGGTGTACTC
 TTGGAAGCTGTTTCATCCACAGACAAGTCTGCAACAAGGACTGTCCTGGCACCAGCGGA



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GGAATATGAGAGAGCCACACGCTACAATTACACCAGTGAGGAAAAATTTGCCTTCGTTGA
 GGTGATCGCCATGATCAAAGGCCTGCAGGTGCTCATGGGCAGGATGGAGAGCGTCTTCAA
 CCAGGCCATCAGGAACACCATCTACGCGCATTGCAGGACTTCGCCCAGGTGACGCTGCG
 TGAGCCCTGCGGCAGGCGGTACGGAAGAAGAAGTGTCTCATCAGCGTCTACAGGC
 AATTCGAAAGACCATCTGTGACTGGGAGGGAGGGCGAGAGCCCCCTAATGACCCATGCTT
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 GCCATCCAGCACACAGCTGTACATGGTGCGGACCATGCTTGAATCACTCATTGCAGACAA
 AAGCGGCTCCAAGAAGACCCTGAGGAGCAGCCTGGATGGACCCATTGTCTCGCCATAGA
 GGACTTTCACAAACAGTCTTCTTCTTACACATCTGCTCAACATCAGTGAAGCCCTGCA
 GCAGTGTGTGACCTCTCCAGCTCTGGTTCCGAGAATTCTTCTGGAGTTAACCATGGG
 CCGACGAATCCAGTTCATCGAGATGTCCATGCCCTGGATTCTAACGGACCATATCT
 GGAAACCAAAGAACCCTTCCATGATGGAGTATGTCTCTACCTCTGGATCTGTACAACGA
 CAGCGCTACTATGCTCTGACCAAGTTTAAAAAGCAGTTCCTGTACGATGAGATAGAAGC
 TGAGGTGAACCTGTGTTTGTATCAGTTTGTCTACAAGCTGGCAGACCAGATCTTTGCTTA
 CTACAAAGCCATGGCTGGCAGTGTCTGTGGATAAACGTTTTTCGAGCTGAGTGAAGAA
 TTATGGCGTCATATTCCGTATCCACCGTCCAATCGCTATGAAACTGCTGAAGCAGAG
 ACACGTCCAGCTGTTGGGTAGATCAATTGACTTGAACAGACTCATTACCCAGCGCACCTC
 TGCCGCCATGTATAAATCCTTGGACCAAGCTATCAGCCGCTTTGAGAGTGAGGACCTGAC
 CTCCATTGTGGAGCTGGAGTGGCTGCTGGAGATTAACCGGCTCACGCATCGGCTGCTCTG
 TAAGCATATGACGCTGGACAGCTTCGATGCCATGTTCCGAGAGGCCAATCACAATGTGTC
 CGCCCCATGGCCGATCACCTGCATGTCTTCTGGAACTGAACCTTGGACTTTCTCCC
 CAACTACTGCTACAATGGTCCACTAACCGTTTTGTGCGGACTGCCATTCCTTTACCCA
 AGAACACAACGAGACAAACCTGCCAAGTCCAGCCTTATTACCTCTATGGATCCAAGC
 TCTCAACATTGCCTACAGCCACATCTACAGCTCCTACAGGAATTCGTGGGGCCACCTCA
 TTTCAAGACTATCTGCAGACTCCTGGGTTATCAGGGCATCGCTGTGGTATGGAGAACT
 GCTAAAGATTGTGAAGAGCTTGCTCCAAGGAACCATTCTCCAGTATGTGAAAACACTGAT
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 TCTGTCTCAGGAGGAGTCTGCGATTTGCTCCATGCCGCACCCTTCCAAAACATCTTGCC
 TAGAGTCTACATCAAAGAGGGGAGCGCCTGGAGTCCGGATGAAACGTCTGGAAGCCAA
 GTATGCCCGCTCCACCTGGTCCCTCTGATCGAGCGGCTGGGGACCCCTCAGCAAATCGC
 CATTGCTCGCGAGGGTGACCTCCTGACCAAGGAGCGGCTGTGCTGTGGCCTGTCCATGTT
 CGAGGTATCCTGACCCGCAATCGGAGCTACCTGCAGGACCCCATCTGGCGGGGCCACC
 GCCCACAATGGCGTCATGCACGTGATGAGTGTGTGGAGTTCACCCGGCTGTGGAGCGC
 CATGCAGTTCGTACTGCATCCTGTGGGAACCAACGAGTTCACAGCTGAGCAGTGTGTT
 CGGCGATGGCTTGAACCTGGGCTGGTTGCTCCATCATTGTCTGCTGGCCAGCAGCGTGC
 CTTTGACCTGTTGACTTCTGTTACCACCTGCTAAAAGTGCAGAGGCAGGACGGGAAGGA
 TGAATCATTAAAGATGTGCCCTGAAGAAGATGGCCGACCGGATCAGGAAGTATCAGAT
 CTTGAACAATGAGGTTTTTGCATCCTGAACAAATACATGAAGTCCGTGGAGACAGACAG
 TTCCACTGTGGAGCATGTGCGCTGCTTCCAGCCACCCATCCACCAGTCTTGGCCACCAC
 TTGCTAAGCAGAAGATCCTGCAGACCCTTATCTGGAGGAGGAAGAGAAGCAGGAGAGAGA
 AAGCCACAGCCAGCTGCCATAGGATCCAACCTGGACAACGTGTGGGATGGACCTGGAAC
 AAGCACCTCCCCAACACATCACCCTCCCTAGGGCGGGGCTGTGCATGCTCTCCCATG
 ACATCTCCATGCTGGTTTCTCCATAGCATAAATGAAAAAAAAAAAAAAAAA

Restriction Sites:

Please inquire

ACCN:

NM_001037332

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).
OTI Annotation:	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.
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:	<ol style="list-style-type: none">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:	<u>NM_001037332.2, NP_001032409.2</u>
RefSeq Size:	6791 bp
RefSeq ORF:	3762 bp
Locus ID:	26999
Cytogenetics:	5q33.3
Protein Pathways:	Regulation of actin cytoskeleton
Gene Summary:	Involved in T-cell adhesion and p53/TP53-dependent induction of apoptosis. Does not bind RNA. As component of the WAVE1 complex, required for BDNF-NTRK2 endocytic trafficking and signaling from early endosomes (By similarity).[UniProtKB/Swiss-Prot Function] Transcript Variant: This variant (2) represents the longest transcript. Variants 1, 2, and 3 all encode the same protein.