

Product datasheet for MC224067

Cyfp2 (NM_133769) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Cyfp2 (NM_133769) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Cyfp2
Synonyms:	1500004I01Rik; 6430511D02Rik; AA930218; AU022376; mKIAA1168; Pir121
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin
Fully Sequenced ORF:	>MC224067 representing NM_133769 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGACCACCCACGTCACCTTTGGAAGATGCCCTGTCCAACGTGGACCTGCTGGAGGAACTGCCCTCCCAG
ACCAGCAGCCATGTATCGAGCCCCGCCATCCTCCATCATGTACCAGGCTAACTTTGACACGAACTTCGA
GGACAGGAATGCATTTGTACGGCATTGCAAGGTACATTGAGCAGGCAACGGTCCACTCCAGCATGAAT
GAAATGCTGGAGGAGGGCCACGACTATGCAGTCATGCTGTACACCTGGCGCAGCTGCTCCCGGGCCATCC
CGCAGGTGAAGTCAATGAGCAGCCAAATCGGGTTCGAGATCTACGAGAAGACGGTGGAGGTGCTGGAGCC
AGAGGTACCAAGCTCATGAAGTTCATGTACTTTGAGCGCAAGGCCATCGAGCGCTTCTGTAGCGAGGTG
AAGCGGCTGTGTACGCTGAGCGCAGGAAGGACTTTGTCTCTGAGGCCTACCTGCTGACGCTGGGCAAGT
TCATCAACATGTTGCGGTCTTGGACGAGCTAAAGAACATGAAGTGCAGTGTCAAGAATGACCACTCTGC
CTACAAGAGAGCAGCACAGTTCCTAAGGAAGATGGCGGACCCCAAGTCCATCCAGGAATCTCAGAACCTG
TCCATGTTCTGGCCAATCACAACAGGATCACCCAGTGTCTTACCAGCAACTGGAAGTATCCCGGGCT
ATGAGGAGCTGCTGGCAGACATTGTCAACATCTGTGTTGATTACTATGAGAATAAGATGTACCTGACGCC
CAGTGAAAAGCACATGTTGCTCAAGGTGATGGGCTTTGGTCTCTATCTGATGGACGAAAATGTCAAGTAA
ATTTACAAACTGGATGCCAAGAAGAGAATCAACCTTAGCAAAAATTGATAAGTTTTTTAAGCAGCTGCAGG
TGGTACCCTTTTCGCGCAGATGCAGATAGAGCTGGCCAGATACATTAAGACCAGTGCTCACTATGAAGA
GAACAAGTCCAAGTGGACATGCACTCAGAGCAGCATCAGCCCCAGTACAACATCTGTGAGCAGATGGTT
CAGATCCGGGATGATCACATCCGCTTCTCTGAGCTGGCTCGTACAGCAACAGCGAGGTGGTGACAG
GCTCAGGGCTGGACAGCCAGAAGTCGGATGAAGAGTACCGGGAGCTTTTTGACCTGGCCCTGCGAGGCC
GCAGCTTCTATCCAAGTGGAGTGCCTATGTCATGGAGGTGACTCTTGAAGCTGGTTACCCCCACAGAC
AAGTTCTGCAACAAGGACTGCCCGGCACCGCGAAGAGTACGAGAGAGCCACGCGCTACAATTATACCA
CGGAGGAGAAGTTTGCCTTTGTGGAGGTGATTGCCATGATCAAGGGTTTGCAGGTGCTCATGGGAAGGAT
GGAGAGTGTCTTCAACCAGGCCATCCGCAACACTATCTACGCAGCCCTGCAGGATTTCCGCCAGGTGACG
CTCGGGAGCCGTTGCGCAAGCAGTTCGAAAGAAAAGAATGTCCTTATCAGCGTTCTGCAAGCAATTC



[View online »](#)

GAAAGACCATCTGTGACTGGGAGGGAGGCCGAGAGCCCCCAATGACCCATGCTTAAGAGGGGAGAAGGA
 CCCCAAAGGTGGCTTTGACATCAAGGTGCCCGCGCTGTGGGTCCATCCAGCACACAGCTGTACATG
 GTGCGCACCATGCTTGAGTCACTCATCGAGACAAGAGCGGCTCCAAGAAGACGCTCAGAAGCAGCCTGG
 ATGGCCCTATCGTCTTGCCATAGAGGACTTCCACAAGCAGTCTTCTTTTTACACACCTGCTTAACAT
 CAGCGAGGCTCTCAGCAGTGTGTGACCTCTCCAGCTCTGGTCCGAGAATCTTCTCGGAGTTGACC
 ATGGGCCGGCAATCCAGTTCGGATTGAGATGTCCATGCCCTGGATTCTAACGGACCATATTCTGGAAA
 CCAAAGAACCTCCATGATGGAGTATGTCCTCTACCCCTTGGATCTGTACAACGACAGCGCCTACTATGC
 CCTCACCAAATTCAAAAAGCAGTTCCTGTATGACGAGATCGAAGCCGAGGTAAACCTGTGTTTTGATCAG
 TTTGTCTACAAGCTGGCTGACCAGATCTTCGCCTACTACAAGCCATGGCCGGCAGTGTCTGTGGATA
 AACGTTTTAGAGCTGAGTGAAGAATATGGGGTATCATACCGTACCCGCCATCCAACCCTACGAGAC
 ACTGCTGAAGCAGAGACATGTCCAGCTGTTGGGGAGATCAATTGACTTGAACAGACTCATACCCAGCGG
 ATCTCTGCTGCCATGTACAAGTCTTGGACCAGGCCATCAGCCGCTTTGAGAGTGAAGACCTGACCTCCA
 TTGTGGAGCTGGAGTGGCTGTGGAGATTAACCGACTCACACCCGACTCCTCTGAAGCACATGACGCT
 AGACAGCTTCGATGCCATGTTCCGAGAAGCCAATCATAACGTGTCTGCCCTTACGGCCGCATCACCTG
 CATGTCTTCTGGGAGCTGAACCTTGTACTTCTCCCAACTACTGTATAATGGATCCACAAACCCTTTG
 TCCGAAGTGCATCCCTTTCACCAAGAACCACAACGGGATAAGCCCGCCAATGTCCAGCCTTATTACCT
 CTATGGATCCAAGCCTCTCAACATTGCCTACAGCCACATCTATAGCTCCTACCGGAACCTTTGTGGGGCC
 CCTCACTTCAAGACCATCTGCAGACTGTTGGGCTACCAGGGCATCGCTGTGGTATGGAGGAACTGCTGA
 AAATCGTCAAGAGCTTGCTCCAAGGCACCATCTGCAGTACGTGAAGACGCTCATAGAGGTGATGCCGAA
 AATCTGTCTGTTGCCTCGGCACGAGTACGGCTCTCCAGGAATCTGGAGTTCTTCCACCACCAACTGAAG
 GACATCATCGAGTATGCAGAAGCTCAAACAGACGTGTTCCAGAGCCTCCGAGAGGTGGGCAACGCCATCC
 TGTCTGCCTCCTCATAGAGCAAGCTCTGTCTCAGGAGGAAGTCTGTGATTTGCTCCATGCTGCACCCTT
 CAAAACATTCTGCCCGAGTCTACATCAAAGAGGGGGAGCGCCTGGAAGTCCGGATGAAGCGCCTCGAG
 GCCAAGTACGCCCACTTCACTGGTTCCTGATAGAGCGGCTGGGGACGCCTCAGCAAATCGCCATCG
 CTGCGGAGGGTGACCTGTGACCAAGGAGCGGCTCTGCTGCGGCCTGTCCATGTTTGAGGTATCTGAC
 CCGAATCCGGAGCTACCTGCAGGACCCATCTGGAGGGGCCCGCCACCCACCAATGGCGTATGATGTG
 GATGAGTGTGGAGTTTACCAGGCTGTGGAGTGCATGACGTTTGTCTACTGTATCCCTGTGGGGACCA
 ACGAGTTCACAGCTGAGCAGTGTTCGGTGACGGCTTGAAGTGGCCGGCTGCTCCATATTGTCTTGTCT
 GGGCCAGCAGCGCGCTTTGACCTGTTGACTTCTGTTATCATCTGCTGAAGGTGCAGAGGCAGGACGGG
 AAGGATGAGATCATTAAAGATGTGCTCTGAAGAAGATGGCTGACCGCATCAGGAAGTACCAGATCTTGA
 ACATGAGTTTTTGCATCCTGAACAAGTACATGAAGTCTGTAGAGACAGACAGTTCCACCGTAGAGCA
 TGTGCGTGTCTCCAGCCCCAATCCACCAGTATTGGCCACCACCTGC TAG

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites:

Sgfl-MluI

ACCN:

NM_133769

Insert Size:

3762 bp

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_133769.3](#), [NP_598530.2](#)

RefSeq Size: 6385 bp

RefSeq ORF: 3762 bp

Locus ID: 76884

UniProt ID: [Q5SQX6](#)

Cytogenetics: 11 B1.1

Gene Summary: Part of the WAVE1 complex that regulates actin filament reorganization via its interaction with the Arp2/3 complex (By similarity). Involved in T-cell adhesion and p53-dependent induction of apoptosis (By similarity). Does not bind RNA. As component of the WAVE1 complex, required for BDNF-NTRK2 endocytic trafficking and signaling from early endosomes (PubMed:27605705).[UniProtKB/Swiss-Prot Function]

Transcript Variant: This variant (1) is the predominant transcript. Variants 1-3 encode the same protein.