

Product datasheet for **MR210771**

Arpp21 (NM_001177618) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Arpp21 (NM_001177618) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Arpp21
Synonyms:	0710001E13Rik; AI853636; ARPP-21; D9Bwg1012e; R3hdm3; Tarpp
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



[View online »](#)

ORF Nucleotide Sequence:

>MR210771 representing NM_001177618
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**GCGATCGCC**

ATGTCTGAGCAAGGAGGACTGACTCCGACCATACTGGAAGAAGGGCAGACGGAGCCAGAGTCTGCCCCAG
 AAAATGGCATCCTCAAGTCAGAAAGTCTGGATGAGGAGGAGAAGCTGGAAGTGCAGCGGCCGACTGGCGGC
 TCAGAACCAAGAGAGGAGAAAAATCCAAGTCAGGAGCAGGCAAAGGGAAGCTGACCAGAAGTCTTGCTGTC
 TGTGAAGAGTCTTCAGCTAGATCTGGAGGGGAAAGTCAACCAGGATCAGGAATCAATTCACCTACAGCTTT
 CCAGTTTCCCCAGCCTGCAAGAGGAGGATAAATCTAGGAAGGATGATTCTGAGAGAGAAAAAGAAAAGGA
 TAAGAACAGAGAGAACTCTCTGAGAGACCAAGATCAGAATGTTATCAAAGATTGCAGCCAAGAATAC
 ACAGATTCTACAGGCATAGACTTACATGGGTTTCTAATTAACACGCTGAAGAACAATTCCAGGGACAGGA
 TGATACTTTGAAAATGGAGCAGGAAATGATTGATTTTCATTGCTGACAGCAATAACCACTATAAAAAAGTT
 CCCCCAGATGTATCCTATCAAAGGATGCTGGTCCATCGGGTGGCAGCGTACTTTGGATTGGACCACAAC
 GTGGATCAAAGTGGAAAATCTGTATCATCAACAAGACCAGCAGCACCAGGATACCAAGAGCAAAGTTTTT
 GTGAACATTTAAAAGATGAAAAAGTGAAGAATCCCAGAAGCGGTTTATCTTGAAGCGAGATAACTCTAG
 TATTGATAAAGAAGACAATCAGTCAGTTTGTCTCACAGGAAAGCCTATTTTTGGACAACAGTAGGCTCCAG
 GAAGACATGCACATATGCAATGAGACCTATAAGAAAAGACAGCTCTTTCGGGCTCACCGAGACAGCTCAG
 GAAGAACTTCCGGGAGCCGGCAGAGCAGCTCAGAGACTGAGTCAAGTGGCCAGACCACCAGCGGGCTTG
 GAGCAGCACAGATTCCGACAGTTCACCCGCAATCTGAAGCCCACCATGACCAAGACGGCAAGTTTTGGG
 GGCATCACGGTGTGACCAAGGGGCGACAGCAGTCCAGTACCAGGAGTGTGGGAAACTGTCCAAAACAG
 GTTCTGAGTCTTCCAGCAGTGGGGCTCCTCAGGATCACTGTCCCGCACCCACCCACAGAGCAGGCCCT
 GACCTCTAGCGTGGCAGCTGGTTCTCTGGCTGTATGGCCTATTACAGAGAATGGAATGGGAGGCCAGGTT
 CCTCCCAGCAGCACCAGCTACATCCTCCTCCACTTGAAGTGGCAGTGGCATCCCACCCGGAAGCATCC
 TTCTTAATCCACACACAGGTGAGCCCTTTGTGAACCCGGATGGAACGCCTGCGATATAACAACCTCCCGG
 AAGTCAGCAGACTGCGTGGCACTGTTGGTGGGCGAGCCCGCAACCTCCACAGCAGCAACCTTCGCT
 CAGCCTCAGCAGAGTCCAGGCATCACAGCCCCAGATGGCAGGGCCACTGGTCACTCAGTCTGTCCAGA
 GCCTGCAGCCATCTTCCAGTCTGTGCAATATCCAGCGGTCTCTTTTCTCCCAGCATCTCCTGCCTAT
 GTCGCCAACGCAGCACTTCCCCTTGAGAGAAGAACTGGTGGCCAGTTCAGCCAGCTGAGCATGAGCCGG
 CAGTCTCGGGAGACTCCTGAACCTCCCTCTGGTACAGTCTACCCAGCCTCTCTCCTGCCACAAACGG
 CTCAGCCACAGAGTTATGTCATCACTTCTGAGGCCAGCAGCTCTACAGGGGGCTTCTCGGACTCTGG
 CCCGCCATCTCCCAGCAGTCTGTCAGGCCCGCCCTCTCCCAGGGATTTGTACAGCAGCCTCCACCT
 GCACAGATGTCCGTCTATACTACCCATCTGGTCACTACCTACCTCAACCTCACAGCAGTACCGACCCC
 TCGCCTCAGTCCAGTACAGTGTGTCAGCGGAGTCAAGAAATACCACAGACCACACAGCAAGCAGGTTACCA
 GCCAGTCTTGTCTGGTCAAGCAGGCTTCCAAGGCATGATGGGAGTACAGCAGTCAAGCAGCAGCCAGGTT
 GTGATGAGCAGTCAAGGAGCCCGGTGCATGGTGTGATGGTCTCCTACCCAACCATGTCTTCTTATC
 AGGTGCCAATGACCAAGGCTCTCAAGCAGTGGCCAGCAGACATACCAACCACCAATCATGCTGCCAG
 TCAGGCAGGCCAAGGGTCACTCCCAGCCACCGGAATGCCTGTGTACTGTAAAGTCAACCCGCAAAACCT
 CAGAACAACCTAAGGTTGATGGGTCCACACTGCCCTCCAGCAGGTTCTGTGTATGTCCGCTAGTTGCA
 GAACAACTGTGGGAACGTGAGCAACGCAGGCTGGCAGGTCAGTTTC

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >MR210771 representing NM_001177618
 Red=Cloning site Green=Tags(s)

MSEQGGLTPTILEEGQTEPESAPENGILKSESLDEEEKLELQRRLAAQNQERRKSKSGAGKGLTRSLAV
 CEESARSGGESHQDQESIHLQLSSFPSLQEEDKSRKDDSEREKEKDKNREKLSERP KIRMLSKDCSQEY
 TDSTGIDLHGFLINTLKNNRDRMILLKMEQEMIDFIADSNHYKKFPQMSSYQRMLVHRVAAYFGLDHN
 VDQTGKSVIINKTSSTRIPEQRFCEHLKDEKSEESQKRFILKRDNSSIDKEDNQSVCSQESLFLDNSRLQ
 EDMHICNETYKKRQLFRAHRDSSGRTSGSRQSSSETEL RWPDHQRAWSSSTDSDSSNRNLKPTMTKTASFG
 GITVLTRGDSTSSTRSAGKLSKTGSESSSSAGSSGSLSRTHPQSTALTSSVAAGSPGCMAYSENGMGGQV
 PPSSTSYILLPLESATGIPPGSILLNPHTGQPFVNPDPGTPAIYNPPGSQQTLRGTVGGQPQQPPQQPSP
 QPQQVQASQPQMAGPLVTQSVQSLQPSSQSVQYPAVSFPPQHLLPMSPTQHFPLREELAAQFSQLSMSR
 QSSGDTPEPPSGTVYPASLLPQTAQPQSYVITSAGQQLSTGGFSDSGPPI SQVLQAPPSQGFVQQPPP
 AQMSVYYYPSGQYPTSTSQQYRPLASVQYSAQRSQQIPQTQQAGYQPVLSGQQGFQGMVGQQSAHSQG
 VMSSQQGAPVHGMVSYPTMSSYQVPMTQGSQAVPQQTYPPIMLPSQAGQGLPATGMPVYCNVTPPNP
 QNNLRLMGP HPCSSSTVPVMSASCR TNCGNVSNAGWQVKF

TRTRPLEQKLI SEEDLAANDILDYKDDDDKV

Restriction Sites: Sgfl-Mlul

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_001177618.1](#), [NP_001171089.1](#)

RefSeq Size: 3181 bp

RefSeq ORF: 2430 bp

Locus ID: 74100

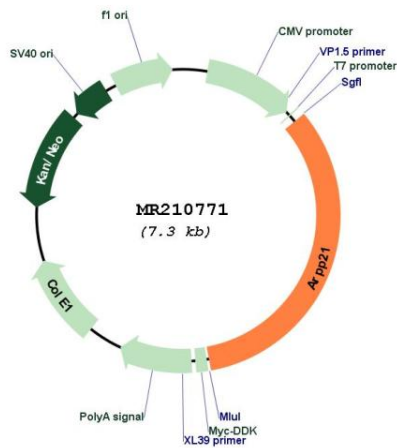
UniProt ID: [Q9DCB4](#)

Cytogenetics: 9 62.46 cM

MW: 88.6 kDa

Gene Summary: Isoform 2 may act as a competitive inhibitor of calmodulin-dependent enzymes such as calcineurin in neurons.[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MR210771