

Product datasheet for **RN210072**

Phactr1 (NM_214457) Rat Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Phactr1 (NM_214457) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Phactr1
Synonyms:	MGC112561
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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Fully Sequenced ORF: >RN210072 representing NM_214457
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGGATTATCCCAAATGGATTATTTCTGGACGTTGAGTCGGCTCACAGACTCCTGGATGTGGAGTCAG
 CACAGAGATTCTTCTATAGCCAAGGAGCTCAAGCTCGCCGGGCGACCCTGCTCCTGCCTCCACATTAAT
 GGCGGTTCTTCGGAGGATGACATAGACCGCGGCCCATCAGAAGAGTCCGCTCCAAGAGCGACACGCCA
 TATCTCGCAGAGGCCAGGATCTCCTTTAACCTGGGGCAGCTGAGGAAGTGAAAGGCTGGCGGCCATGC
 GCTCTGACTCGTTGGTCCAGGTACGCACACCCCGCCATCCGGAGGAGGAGTAAGTTTGCCAACCTGGG
 AAGGATTTTCAAGCCTTGAAATGGAGGAAGAAGAAAAGCGAAAAGTTCAAGCACACGTGACGAGCTCTG
 GAAAGGAAGATATCGATGAGGCAGAGCAGAGAGGAGCTGATCAAGCGAGGGGTCTTGAAGGAGATCTACG
 AATAAGATGGAGAGCTCTCCATATCAAATGAAGATGACTCCCTCACAAACGGCCAGTCCCTGAGCTCCAG
 CCAGCTCTCTTTGCCTGCTGTGCGAAATGGAGCCTGTCCCAATGCCAGGGACCCCTGCTCATATGAG
 GTGCTCCAAGCTTCAGACATTATGGATGGACCAGATCCTGGCGCCCCCGTGAATTTGCCCTGTCTGCCAG
 TGAAACTGTGCGCTCCGCTACCTCCAAGAAAAGTCTGATCTGCATGCCTGTAGGGGGCCAGAGCTCTC
 CCTGGCATCTACACAGCCCAGAAGAGCAGCCAGCAGGCTGTGGCCAGCACCACCACACCGTCTGCCA
 TCCCAGATGCAGCACCAGCTGCAGTATGGCAGCCACGGCCAGCATCTCCCGTCTCCACCGGCACCTTAC
 CCATGCACCCCTCGGGCTGCAGGATGATCGATGAGCTGAACAAGACACTTGCTATGACCATGCAGAGGCT
 GGAAAGCTCCGAGCAACGCGTCCCCTGCTCCACTTCTTACCACAGCTCTGGTTTGCACCTCAAGTGACGGC
 GTCACAAAAGCAGGACCCTTGGCCCTCCGAAATAAGACAAGTGCCAACTGTTGTGATTGAATGTGACG
 AATAAGGAAAATGTGCCTCATGAACCCGACTATGAAGACTCGTCTGCCTGTATGCACGGGAAGAGGA
 GGAAGAGGAGGAGGACGAAGATGACGACGCTCCTTGTACACCAGCTCACTGGCCATGAAGGTCTGCAGG
 AAGGACTCCTTAGCCATCAAAGTGAACAACAGGCCCTCCAAGCGAGAGCTAGAGGAAAAGAACATCCTTC
 CCAGGCAGACGGATGAGGAACGGCTGGAACCTCAGACAACAGATCGGCACCAAGCTCACCAGGCGGCTAAG
 CCAAAGACCCACTGCAGAGGAACTGGAGCAGAGGAACATTCTGAAACCTCGGAATGAACAAGAGGAGCAG
 GAGGAGAAGCGGGAAATAAAGAGGAGGCTGACTCGCAAGCTCAGCCAAAGACCCACGGTGAAGAAGCTCC
 GGGAGAGGAAGATCCTTATTCGTTTCAGTGACTATGTGGAGGTGGCAGACGCCCAAGACTATGACCGAAG
 GGCGGACAAGCCATGGACCCGCTCACCCTGTCAGACAAAGCTGCCATTCGGAAGGAACTCAATGAGTTT
 AAAAGTACCGAAATGGAAGTCCACGAGTTAAGTAGACACTTAACCAGTTTCATCGACCT**TAA**

AG**CGGACCG**ACGCGTACGCGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCC
 TGGATTACAAGGATGACGACGATAAGGTTTAA

- Restriction Sites:** SgfI-RsrII
- ACCN:** NM_214457
- Insert Size:** 1743 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:	<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:	NM_214457.2 , NP_999622.2
RefSeq Size:	2078 bp
RefSeq ORF:	1743 bp
Locus ID:	306844
UniProt ID:	P62024
Cytogenetics:	17p13-p12
Gene Summary:	Binds actin monomers (G actin) and plays a role in multiple processes including the regulation of actin cytoskeleton dynamics, actin stress fibers formation, cell motility and survival, formation of tubules by endothelial cells, and regulation of PPP1CA activity (By similarity). Involved in the regulation of cortical neuron migration and dendrite arborization (By similarity).[UniProtKB/Swiss-Prot Function]