

## Product datasheet for **RN206089**

### Phactr2 (NM\_214458) Rat Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Phactr2 (NM_214458) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Phactr2
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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**Fully Sequenced ORF:** >RN206089 representing NM\_214458  
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGCATCGCC**

ATGGGCCAGACCTCGGTGTCCGCGCTGTCCCCGACGCCCGCAGCGTTGATGGACTAGACAAAGCCTCCA  
 TAGCAAACCTCAGATGGCCCCCAGCAGGTTCCAGACACCTCCCTTCAAGAGAAAGGGGAACTCTCCAC  
 CATTGGTAAAATCTTCAAGCCTTGGAAATGGAGGAAAGAGAAGACCAGTGACAAGTTTAGAGAGACCTCA  
 GCAGTATTAGAGAGGAAGATATCCACCAGACAAAGTAGAGAGGAGCTGATAAGAAGGGGCCTGCTTAAGG  
 AATTGCCTGATCAAGATGGAGATGTAACAGTTAACTTTGAAAATCAAACGGGCACATGATACACATCGG  
 AGAGGAAGCTACCAAGAGGAGAATGTAGGAAACCTGAAGAAGGGAATGTCTCTGTGTGTGAGAAAAGGA  
 CCACCTCGAGAGGAACAGGCAGAAGAGAAGACAGCTGGTTCCTCTCACCCGAAGAAAACAACTGGTTCCA  
 AAGCCTCATCCTCACCATCTGCTTCGTCCACCTCCTCTCATCCCAGAGGACCCAAGGAGTCACTCACTGG  
 CAAAGCAGGCGCGGTTGGGACCACAAGGGGCAAGAAAAGATTAGCAAGCAGCCAGCAGCGCGGCATCC  
 CGACTGTCCCCAACACAGTCACTTCTGAAACGCTAGTCTTAAAGGAGAGCTCTCAGACACTGGGGTAG  
 AGAGCCTCAAGCCAGAGGAACTGTTGCTGGAGCAGAGGAGGAGGCCACAGGCAAACCAAGCGGTCGT  
 CGTCGCTCGCCACCTGTACAGTACCGCCATCTTACCTGCCCTTCTCTGCCCTGAGGATCCATGC  
 ACTATTGCCTTGGACACTCCCATGGTCCTAGTCAGTGTGAGACCCACCTGCCCATCTCTGCCTTAGAAA  
 CAAGTCCGCTCCCTGGGACTGAAGAACCAGCGAACAGAACCACCTCCGTAAGCACCAGGCTTAGGTGG  
 GAGCCGAGAGCAGGCAAAATGTTTTACAACCAAGATGGGCTGGGAAAGGCTGGACCTCAATTGCTGACC  
 CCTGGACAGATGGGAGACTCATTAGAATCCTTCAGTGCCCCAGAGGATGAGGCCCAAGAGAGTACCAAG  
 CCAATGACTCTGACTCGGATGGACCCATCTTATACACAGATGATGATGATGAAGAAGATGATGATGA  
 CAGCACTGGAGAAAGTGCATTGGCAAGTAAGATCAGACGAAGGGATACACTCGCCATCAAACCTGGCAAC  
 AGACCATCCAAGAAAGAGCTAGAGGACAAAAACATCCTGCAGCGAACGCTGAAGAAGAAAGGCAGGAGC  
 TGCGACAACAGATAGGAACCAAGCTGGTCAGGAGACTCAGCCAGAGGCCAACCACTGAAGAATTAGAGCA  
 GAGAAGCATCTTAAAACAAAAGAATGAAGAAGAGGAGCAGGAAGCAAAAATGGAACCTCAAACGGAGGCTC  
 AGCCGGAAGCTCAGCCTAAGACCTACTGTGCCAGAGCTACAAGCCGAAGAATCTGCGGTTTAAATGAGT  
 ATGTGGAAGTACAGATTCCCCGACTACGACAGAGCTGCGGACAAGCCCTGGGCCAGGTTGACACCTGC  
 GGACAAGGCAGCAATAAGGAAAGAACTAAATGAATTTAAAAGCACGGAATGGAAGTTCACGAAGAGAGT  
 CGACAGTTTACAAGGTTTACCCTCCATAA

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

- Restriction Sites:** SgfI-MluI
- ACCN:** NM\_214458
- Insert Size:** 1710 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\\_214458.1](#), [NP\\_999623.1](#)

**RefSeq Size:** 1783 bp

**RefSeq ORF:** 1710 bp

**Locus ID:** 308291

**UniProt ID:** [P62025](#)

**Cytogenetics:** 1p13

**Gene Summary:** member of a family of proteins that bind protein phosphatase 1 and cytoplasmic actin; may play a role in regulation of the actin cytoskeleton [RGD, Feb 2006]