

Product datasheet for **RN213820**

Phactr3 (NM_214459) Rat Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Phactr3 (NM_214459) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Phactr3
Synonyms:	Scapin1; scapinin
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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Fully Sequenced ORF: >RN213820 representing NM_214459
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGGACCAACGCCCCAGCACGCTCCGAGCCTCTGGTCTCAGGGATTGAACTCCCCCTGTGCGGAGGA
 ACAGCAAGCTGGCCACGCTGGGCAGGATCTTCAAACCCTGGAATGGAGGAAAAAGAAAAACGAGAAGCT
 GAAGCAGACAACGTCAGCACTGGAGAAGAAGATGGCCGGTAGGCAAGGCCGGGAGGAGCTGATCAAGCAG
 GGGCTGCTGGAGATGATGGAGCAAGATTCTGAGAGTAAGGCATGCAGTCCCAAGGAAGGCTCCCAACCTG
 CACAGAGTGAGCCGTCCGCTGGCAGCAGGAGACGCTGACCTCGGAGGGTGTCCAGCCCGGAAGCCCTC
 GGCCAGTGAACAGACCAGGCCTCCAGGATGAGCTTCTGTCTCCGATGCCATCCGGATGACACAGCC
 AAGATGTCGTCTGCATCCAGTGGGAAGAAGCAGATGCTGGCAACCTCCTGCCACCACCGATGAGCCCT
 CTCAAGAAGCCTTATCTGGGTCCCTAGACAGTCTCCAGAACCCTGGAGAGATCTGCGAGCCAGCTCCC
 CAGCCCTCCACTGCTGCCACCCCGCCACCCAAGGCCAGCTCTAAAGCCACGAAAAACGTACAGGTCAA
 GCTGCGCTCTTCCAAGGCTCCAGCATGAAGAACAATGAGCCTGTTCTCAGAGGACAGCTTCCACCCCCA
 CAGGGTCCCCTCATCTCACCAGTGTCCACCGGCCACTGCCCCCAAGCCGCGTGATAGAGGAGCTGCACAG
 GGCACTGGCCACGAAGCACCGTCAAGACAGTTTTCAAGGGCGGGAATGCAGAGGGTCTCCAAAGAAGCGG
 ATGGATGTGCGTCTGTCCAGGACATCGAGCATGGAGCGGGCAAGGAGAGGGATGAGGCGTGGAGCTTTG
 ACGGGGCTCAGAGAACAAGTGGACTGCTGCCAAAGACTCTGAGGAGAACAAGGAGAATCTGATTCTGAG
 CTCCGAGCTCAAGGATGACTTGCTTCTGTATCAGGATGAAGAGGCGCTCAACGACTCCATCATTTCTGGA
 ACATTGCCAAGGAAGTGAAGAAGGAGTTGCTGGCAGTGAAGCTGAGGAACCGGCCAGCAAGCAGGAGC
 TGGAGGACCGGAACATCTTTCCAGGAGGACCGATGAGGAGAGACAGGAGATCCGACAGCAGATAGAGAT
 GAAGCTGTCCAAAGGCTGAGCCAGAGACCTGCCGTGGAAGAAGTGGAAAGAAGAAATATCCTGAAGCAA
 AGGAATGATCAGACAGAGCAGGAAGAAAGGAGAGAAATCAAGCAAGATTAACCAGGAAGCTTAACCAGA
 GACCCACTGTTGATGAACTGAGAGACAGGAAAATTCTGATCCGTTTCAGTGACTATGTGGAAGTAGCGAG
 AGCACAGGACTATGACAGGAGAGCAGACAAGCCCTGGACGAGACTGTGAGCAGCAGATAAGGCAGCAATT
 CGTAAAGAATTAATGAGTATAAGAGTAATGAAATGGAGGTGCACGCATCCAGCAAGCACTTGACAAGAT
 TCCACAGGCCA**TAG**

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI

ACCN: NM_214459

Insert Size: 1554 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:	<u>NM_214459.2, NP_999624.1</u>
RefSeq Size:	1566 bp
RefSeq ORF:	1554 bp
Locus ID:	362284
UniProt ID:	<u>Q6RFY2</u>
Cytogenetics:	3q43
Gene Summary:	binds the catalytic subunit of protein phosphatase-1 (Pp1) and inhibits Pp1 activity; may be associated with the nuclear scaffold in proliferating cells [RGD, Feb 2006]