

Product datasheet for **RC212083**

PHACTR3 (NM_183246) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	PHACTR3 (NM_183246) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	PHACTR3
Synonyms:	C20orf101; H17739; PPP1R123; SCAPIN1; SCAPININ
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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ORF Nucleotide Sequence:

>RC212083 representing NM_183246
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGGACCAACGCCCCGGCGCTCCTGAATATCTGGTCTCAGGGATTGAACTCCCCCTGTGAGGAGGA
 ACAGCAAACCTGGCCACCCTGGGCAGGATCTTCAAACCCTGGAAATGGAGGAAAAAGAAAAACGAAAACT
 GAAGCAGACAACGTCAGCGCTGGAGAAGAAGATGGCCGGCAGGCAAGGCCGAGAGGAGCTCATCAAGAAG
 GGGCTGCTGGAGATGATGGAGCAGGATGCTGAAAGCAAACTTGAACCCCGATGGAGGACCCCGATCTG
 TACAGAGTGAACCACTCCCAAGTCGGAGACGCTGACTTCAGAAGATGCCAGCCCGGAAGCCCTT
 GGCCACTGGGACGACAGGTCTCCCTGGACAAGCCACTGTCTCAGCTGCCACTTGGACGATGCAGGC
 CAAGCCCACTCTTCAAGCCTCCAGCATGAAGAGTCCGACCCCTTCCCTCCGGGGCCAGCTCTCCACAC
 CCACGGGGTCTCCGCATCTCACCACGGTCCACCGGCTTCTCCCAAGCCGCGCTATTGAGGAGCTGCA
 CAGGGCGCTGGCCACGAAGCACCAGGACAGTTTCAAGGAAGAGAAAGTAAAGGGTCTCCAAAGAAG
 CGGCTGGATGTCCGTCTGTGAGAACGTCAGCGTGGAGCGGGCAAGGAGAGGGAGGAGCTTGGAGCT
 TTGACGGGGCATTGGAGAACAAGCGAACTGCCGCTAAGGAATCTGAGGAGAAACAAGGAGAACCTGATCAT
 AAATTCGAACTCAAAGACGACTTGCTTTTGTATCAGGACGAGGAGGCGCTGAACGACTCCATTATTTCT
 GGAACACTGCCACGGAATGCAAGAAGGAGCTCCTGGCCGTGAAGCTAAGGAACCGGCCAAGCAACAGG
 AACTAGAAGACCGGAACATTTTCCCAAGGAGCTGATGAAGAAAGACAGGAGATCCGGCAGCAGATCGA
 GATGAAGCTTTCAAACGGCTGAGCCAAAGACCTGCCGTGGAAGAGCTGGAGAGAAGAAATATCTTGAA
 CAAAGGAATGATCAGACAGAGCAGGAAGAAAGAAGAGAAATCAAGCAAAGATTGACAAGAAAGCTTAATC
 AGAGACCACTGTTGATGAATTAAGAGACAGAAAAATCTGATACGATTACGTGATTACGTGGAAGTAGC
 AAAAGCGCAGGACTATGACAGGAGGGCAGACAAACCCTGGACGAGACTGTCAGCAGCAGATAAGGCAGCA
 ATTCGTAAGAATTAAATGAGTACAAAAGTAATGAAATGGAGGTACATGCATCAAGCAAGCACTTGACAA
 GATTCCACAGGCCA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>RC212083 representing NM_183246
 Red=Cloning site Green=Tags(s)

MDQTPPARPEYLVSIGRTPPVRRNSKLATLGRIFPKWWRKKKNEKLKQTTSALEKKMAGRQGREELIKK
 GLLEMMEQDAESKTCNPDGGPRSVQSEPPTPKSETLTSEDAQPGSPLATGTDQVSLDKPLSSAHLDDAG
 QATLFFQASSMKSADPSLRGQLSTPTGSPHLTTVHRPLPPSRVIEELHRLATKHRQDSFQGRESKGSPPK
 RLDVRLSRTSSVERGKEREEAWSFDGALENKRTAAKESEENKENLIINSELKDDLLLYQDEEALNDSIIS
 GTLPRKCKKELLAVKLNRPSKQLEDNRNIFPRRTDEERQEIRQQIEMKLSKRLSQRPAVEELERRNLIK
 QRNDQTEQEERREIKQLTRKLNQRPTVDELDRKILIRFSDYVEVAKAQDYDRRADKPWTRL SAADKAA
 IRKELNEYKSNEMEVHASSKHLTRFHRP

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms:

https://cdn.origene.com/chromatograms/mk8026_f07.zip

Restriction Sites:

Sgfl-MluI

Cloning Scheme:



ACCN: NM_183246

ORF Size: 1344 bp

OTI Disclaimer: The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. [More info](#)

OTI Annotation: This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.

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.

Note: Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.

RefSeq: [NM_183246.1](#), [NP_899069.1](#)

RefSeq Size: 2185 bp

RefSeq ORF: 1347 bp

Locus ID: 116154

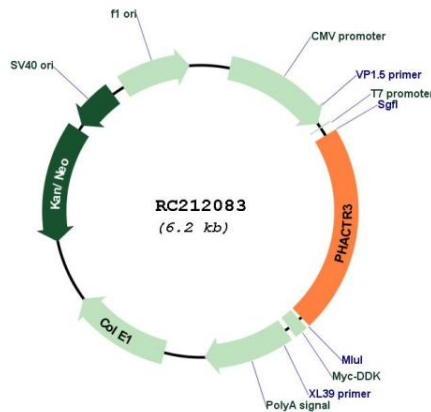
UniProt ID: Q96KR7

Cytogenetics: 20q13.32-q13.33

MW: 51.3 kDa

Gene Summary: This gene encodes a member of the phosphatase and actin regulator protein family. The encoded protein is associated with the nuclear scaffold in proliferating cells, and binds to actin and the catalytic subunit of protein phosphatase-1, suggesting that it functions as a regulatory subunit of protein phosphatase-1. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Jul 2013]

Product images:



Circular map for RC212083