

Product datasheet for **RG212083**

PHACTR3 (NM_183246) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Tag:	TurboGFP
Symbol:	PHACTR3
Synonyms:	C20orf101; H17739; PP1R123; SCAPINI; SCAPININ
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



ORF Nucleotide Sequence: >RG212083 representing NM_183246
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCCGCGATCGCC

ATGGACCAAAACGCCCCGGCGCGTCTGAATATCTGGTCTCAGGGATTGAACTCCCCCTGTGAGGAGGA
 ACAGCAAACCTGGCCACCTGGGCAGGATCTTCAAACCTGGAAATGGAGGAAAAAGAAAAACGAAAACT
 GAAGCAGACAACGTCAGCGCTGGAGAAGAAGATGGCCGGCAGGCAAGGCCGAGAGGAGCTCATCAAGAAG
 GGGTCTGTGGAGATGATGGAGCAGGATGCTGAAAGCAAACTTGCAACCCCGATGGAGGACCCCGATCTG
 TACAGAGTGAACCACTCCCAAGTCGGAGACGCTGACTTCAGAAGATGCCAGCCCGGAAGCCCTT
 GGCCACTGGGACGGACCAAGTCTCCCTGGACAAGCCACTGTCTCAGCTGCCCACTTGGACGATGCAGGC
 CAAGCCACACTCTTCAAGCCTCCAGCATGAAGAGTGCCGACCTTCCCTCCGGGGCCAGCTCTCCACAC
 CCACGGGTCTCCGCATCTCACCACGGTCCACCGCCTTCCCCCAAGCCGCGTCATTGAGGAGCTGCA
 CAGGGCGCTGGCCACGAAGCACCAGGACAGTTTTCAAGGAAGAGAAAGTAAAGGGTCTCCAAGAAG
 CGGCTGGATGTCCGTCTGTCGAGAAGCTCCAGCGTGGAGCGGGCAAGGAGAGGGAGGAGGCTTGGAGCT
 TTGACGGGGCATTGGAGAACAAGCGAACTGCCGCTAAGGAATCTGAGGAGAAACAAGGAGAACCTGATCAT
 AAATTCTGAACCAAGACGACTTGCTTTTGTATCAGGACGAGGAGGCGCTGAACGACTCCATTATTCT
 GGAACACTGCCACGGAATGCAAGAAGGAGCTCCTGGCCGTGAAGCTAAGGAACCGCCAAGCAACAGG
 AACTAGAAGACCGGAACATTTTCCCAAGAGGACTGATGAAGAAAGACAGGAGATCCGGCAGCAGATCGA
 GATGAAGCTTTCCAAACGGCTGAGCCAAAGACCTGCCGTGGAAGAGCTGGAGAGAAGAAATATCTGAAA
 CAAAGGAATGATCAGACAGAGCAGGAAGAAAGAGAGAAATCAAGCAAAGATTGACAAGAAAGCTTAATC
 AGAGACCACTGTTGATGAATTAAGAGACAGAAAAATCTGATACGATTCAAGTATTACGTGGAAGTAGC
 AAAAGCGCAGGACTATGACAGGAGGGCAGACAAACCTGGACGAGACTGTCAGCAGCAGATAAGGCAGCA
 ATTCGTAAGAATTAATGAGTACAAAAGTAATGAAATGGAGGTACATGCATCAAGCAAGCACTTGACAA
 GATTCCACAGGCCA

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence: >RG212083 representing NM_183246
 Red=Cloning site Green=Tags(s)

MDQTPPARPEYLVSGIRTPPVRRNSKLATLGRIFKPWKWRKKKNEKLKQTTSALEKKMAGRQGREELIKK
 GLLEMMEQDAESKTCNPDGPRSVQSEPTPKSETLTSEDAQPGSPLATGTDQVSLDKPLSSAHLDDAG
 QATLFQASSMKSADPSLRGQLSTPTGSPHLTTVHRPLPPSRVIEELHRLATKHRQDSFQGRESKGSPPK
 RLDVRLSRTSSVERGKEREEAWSFDGALENKRTAAKESEENKENLIINSELKDDLLLYQDEEALNDSIIS
 GTLPRKCKKELLAVKLNRPSKQLEDNRNIFPRRTDEERQEIQQIEMKLSKRLSQRPVEELERRNLIK
 QRNDQTEQERREIKQRLTRKLNQRPVDELDRKILIRFSDYVEVAKAQDYDRRADKPWTRL SAADKAA
 IRKELNEYKSNEMEVHASSKHLTRFHRP

TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-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

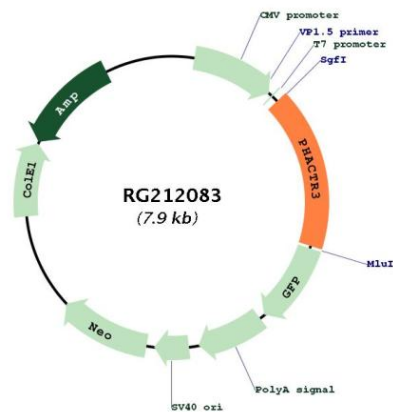
Locus ID: 116154

UniProt ID: [Q96KR7](#)

Cytogenetics: 20q13.32-q13.33

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 RG212083