

Product datasheet for **RG234331**

PHACTR3 (NM_001199506) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	PHACTR3 (NM_001199506) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	PHACTR3
Synonyms:	C20orf101; H17739; PPP1R123; SCAPIN1; SCAPININ
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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ORF Nucleotide Sequence:

>RG234331 representing NM_001199506
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGGACCAACGCCCCCGCGCGTCTGAATATCTGGTCTCAGGGATTGAACTCCCCCTGTGAGGAGGA
 ACAGCAAACCTGGCCACCCTGGGCAGGATCTTCAAACCCTGGAAATGGAGGAAAAAGAAAAACGAAAACT
 GAAGCAGACAACGTCAGCGCTGGAGAAGAAGATGGCCGGCAGGCAAGGCCGAGAGGAGCTCATCAAGAAG
 GGGCTGCTGGAGATGATGGAGCAGGATGCTGAAAGCAAACTTGAACCCCGATGGAGGACCCCGATCTG
 TACAGAGTGAACCACTCCCAAGTCGGAGACGCTGACTTCAGAAGATGCCAGCCCGGAAGCCCTT
 GGCCACTGGGACGACAGGTCTCCCTGGACAAGCCACTGTCTCAGCTGCCACTTGGACGATGCAGCC
 AAGATGCCTTCTGCATCCAGTGGTGAAGAAGCAGACGCTGGCAGCCTCCTGCCACCACCAATGAGCTCT
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 CAAGCCCACTCTTCAAGCCTCCAGCATGAAGAGTGCCGACCCTTCCCTCCGGGGCCAGCTCTCCACAC
 CCACGGGGTCTCCGCATCTCACCACGGTCCACCGCCTTTCCTCCCAAGCCGCTCATTGAGGAGCTGCA
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 CGGCTGGATGTCCGTCTGTGAGAACGTCACGCTGGAGCGGGGCAAGGAGAGGGAGGAGCTTGGAGCT
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 AAAAGCGCAGGACTATGACAGGAGGGCAGACAAACCTGGACGAGACTGTCAGCAGCAGATAAGGCAGCA
 ATTCGTAAGAATTAATGAGTACAAAAGTAATGAAATGGAGGTACATGCATCAAGCAAGCACTTGACAA
 GATTCCACAGGCCA

ACGCGTACGCGGCCGCTCGAG – GFP Tag – GTTTAA

Protein Sequence:

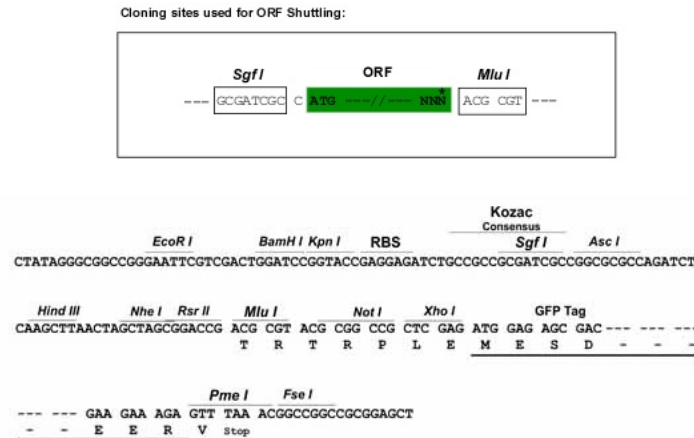
>RG234331 representing NM_001199506
 Red=Cloning site Green=Tags(s)

MDQTPPARPEYLVSGIRTPPVRRNSKLATLGRIFPKWKWRKKKNEKLKQTTSALEKKMAGRQGREELIKK
 GLEMMEQDAESKTCNPDGGPRSVQSEPPTPKSETLTSEDAQPGSPLATGTDQVSLDKPLSSAHLDDAA
 KMPSASSGEEADAGSLLPTTNELSQLAGADSLDSPRPLERSVGQLPSPPLLPTPPKASSKTTKNVTG
 QATLFFQASSMKSADPSLRGQLSTPTGSPHLTTVHRPLPPSRVIEELHRLATKHRQDSFQGRESKSGSPKK
 RLDVRLSRTSSVERGKEREEAWSFDGALENKRTAAKESEENKENLIINSELKDDLLLYQDEEALNDSIIS
 GTLPRKCKKELLAVKLNRPSKQLEDNRNIFPRRTDEERQEIQQIEMKLSKRLSQRPAVEELERRNILK
 QRNDQTEQEERREIKQRLTRKLNQRPTVDELDRKILIRFSDYVEVAKAQDYDRRADKPWTRL SAADKAA
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TRTRPLE – GFP Tag – V

Restriction Sites:

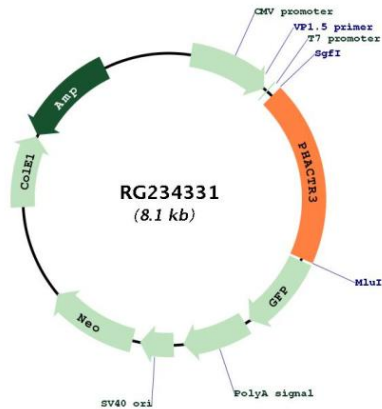
Sgfl-MluI

Cloning Scheme:


ACCN:	NM_001199506
ORF Size:	1554 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.
RefSeq:	NM_001199506.1 , NP_001186435.1
RefSeq Size:	2270 bp
RefSeq ORF:	1557 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 RG234331