

Product datasheet for **RG234423**

PHACTR3 (NM_001199505) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	PHACTR3 (NM_001199505) 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:

>RG234423 representing NM_001199505
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGCGTGGCCGTGGCGGGGGCGCGCCCGTGTCTGCGCCCTGCGCTCGCTGCTGGGCGCCTTCGGGG
 CCCGGGACGCTGCCGCCGCCGCCGAGATCCTGCGCAAGATGAGATGGACCAAACGCCCGCGCGTCC
 TGAATATCTGGTCTCAGGGATTCAAACTCCCCCTGTGAGGAGGAACAGCAAACCTGGCCACCTGGGCAGG
 ATCTTCAAACCTGGAATGGAGGAAAAAGAAAAAGAAAACTGAAGCAGACAACGTCAGCGCTGGAGA
 AGAAGATGGCCGGCAGGCAAGGCCGAGAGGAGCTCATCAAGAAGGGGCTGCTGGAGATGATGGAGCAGGA
 TGCTGAAAGCAAACTTGCAACCCCGATGGAGGACCCGATCTGTACAGAGTGAACACCCACTCCCAAG
 TCGGAGACGCTGACTTCAGAAGATGCCAGCCCGGAAGCCCTTGGCCACTGGGACGACCAGGTCTCCC
 TGGACAAGCCACTGTCTCAGCTGCCACTTGGACGATGCAGCCAAGATGCCTTCTGCATCCAGTGGTGA
 AGAAGCAGACGCTGGCAGCCTCTGCCACCACCAATGAGCTCTCCAAGCCTTAGCTGGGGCTGACTCC
 CTGGACAGTCTCCAGACCTCTGGAGAGATCCGTGGGCCAGCTCCCAGCCCCCACTGCTGCCCACTC
 CGCCACCAAGGCAAGCTCCAAAACCAAAAAATGTCACAGGCCAAGCCACACTCTTCAAGCCTCCAG
 CATGAAGAGTGCCGACCTTCCCTCCGGGGCAGCTCTCCACACCACGGGGTCTCCGCATCTCACCACG
 GTCCACCGGCCTTCCCCCAAGCCGCTCATTGAGGAGCTGCACAGGGCGCTGGCCACGAAGCACCGCC
 AGGACAGTTTTCAAGGAAGAGAAAGTAAAGGGTCTCAAAGAAGCGGCTGGATGTCCGTCTGTCGAGAAC
 GTCCAGCGTGGAGCGGGCAAGGAGAGGGAGGAGGCTTGGAGCTTTGACGGGGCATTGGAGAACAAGCGA
 ACTGCCGCTAAGGAATCTGAGGAGAACAGGAGAACCTGATCATAAATTCTGAACTCAAAGACGACTTGC
 TTTTGTATCAGGACGAGGAGGCGCTGACGACTCCATTATTTCTGGAACACTGCCACGGAATGCAAGAA
 GGAGCTCCTGGCCGTGAAGCTAAGGAACCGGCCAAGCAAACAGGAAGTGAAGACCGGAACATTTTCCCC
 AGAAGGACTGATGAAGAAAGACAGGAGATCCGGCAGCAGATCGAGATGAAGCTTTCCAAACGGCTGAGCC
 AAAGACCTGCCGTGGAAGAGCTGGAGAGAAGAAATATCTTGAACAAAGGAATGATCAGACAGAGCAGGA
 AGAAAGAAGAGAAATCAAGCAAAGATTGACAAGAAAGCTTAATCAGAGACCCACTGTTGATGAATTAAGA
 GACAGAAAAATTCTGATACGATTAGTATTACGTGGAAGTAGCAAAAGCGCAGGACTATGACAGGAGGG
 CAGACAAACCCTGGACGAGACTGTCAGCAGCAGATAAGGCAGCAATTCGTAAAGAATTAATGAGTACAA
 AAGTAATGAAATGGAGGTACATGCATCAAGCAAGCACTTGACAAGATTCCACAGGCCA

ACGCGTACGCGGCCGCTCGAG – GFP Tag – GTTTAA

Protein Sequence:

>RG234423 representing NM_001199505
 Red=Cloning site Green=Tags(s)

MRGRGGGRARCPAPLRSLLGAFGARDAAAAARDPAQDEMDQTPPARPEYLVSGIRTPPVRNRSLATLGR
 IFKPWKWRKKKNEKLKQTTSALEKKMAGRQGREELIKGLLEMMEQDAESKTCNPDGGPRSVQSEPPTPK
 SETLTSEDAQPGSPLATGTDQVSLDKPLSSAAHLDDAAKMPSASSGEEADAGSLLPTTNELSQUALAGADS
 LDSPRPLERSVGQLPSPPLLPTPPPKASSKTTKNVTGQATLFQASSMKSADPSLRGQLSTPTGSPHLTT
 VHRPLPPSRVIEELHRLATKHRQDSFQGRESKSGSPKKRLDVRLSRTSSVERGKEREAWSFDALENKR
 TAAKESEENKENLIINSELKDDLLLYQDEEALNDSIISGTLPRKCKELLAVKLNRNPSKQELEDRNIFP
 RRTDEERQEIRQIEMKLSKRLSQRPAVEELERRNILKQRNDQTEQEERREIKQRLTRKLNQRPTVDEL
 DRKILIRFSDYVEVAKAQDYDRADKPWTRL SAADKAAIRKELNEYKSNEMEVHASSKHLTRFHRP

TRTRPLE – GFP Tag – V

Restriction Sites:

Sgfl-MluI

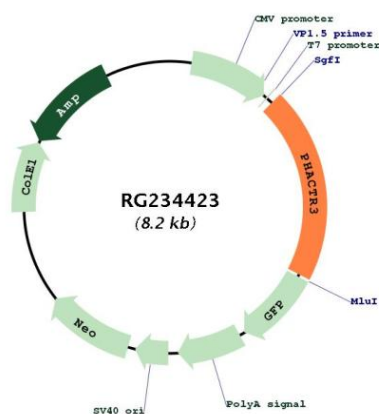
Cloning Scheme:


ACCN:	NM_001199505
ORF Size:	1668 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_001199505.1 , NP_001186434.1
RefSeq Size:	2275 bp
RefSeq ORF:	1671 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 RG234423