

Product datasheet for **RG206425**

PHACTR4 (NM_001048183) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	PHACTR4 (NM_001048183) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	PHACTR4
Synonyms:	PPP1R124
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



[View online »](#)

ORF Nucleotide
Sequence:

>RG206425 representing NM_001048183
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCCCGCATCGCC

ATGGAAGATCCATTTGAGGAAGCAGACCAGCCACTACAGAGCCAGGCATGGTCTTGACAGTGTGGAAG
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 ATCCAGGAAAGCCAAGCGATGCCATGTTAAAGAATGGCCATACCACCCCATAGGGAATGCCAGATCATC
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 CTAAGAAACGACTAGGCTCAACTGGAAGCCAGCCTAATTCTGAAGCAGAGTCTGTTCTGAGAATGTAC
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 GCGACTCTGATTCAGAAGGTCCCATTGAGTACCGAGATGAAGAAGATGAAGATGAAAGCTATCAGAGTGC
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 TTGAACCTGAATTCTTGGCCTTGTAAAAGCAAGGAGGAGTGAATGAAATACGGCACAGATTGGAACA
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 AGAATTAATGAATTTAAAAGCTCCGAGATGGAGGTTTCATGAAGAGAGCAAACTTTTACACGCTACCAT
 CGTCCA

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence: >RG206425 representing NM_001048183
Red=Cloning site Green=Tags(s)

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MEDPFEEADQPTTEPGMVLDSVEAGDTPPTKRKSKFSGFGKIFKPKWKRKKSSDKFKETSEVLKRIK
MRKPREELVKRGVLLDPEQGGEDPGKPSDAMLKNGHTTPIGNARSSSPVQVEEPPVRLASLRKAIPED
LKKRLGSTGSQPNSEAEVPEVNPVKPPLLPPKRPLSSSHEASEGQAKDATSSGGTARFIIISTSIITAPAA
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IPPEPPRTPPPAKTFQVVEIEFPPSLDLHQEIPQQEDQKKEVPKRILDQNFGEPHIPSRLPPLPLHIR
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EEMTPTSVIPKLPQCLREEEKESSDSESGPIQYRDEEDEDESYQSALANKVKRKDTLAMKLNHRPSEPE
LNLNSWPCKSKEEWEIRHQIGNTLIRRLSQRPTPEELEQRNIIQPKNEADRQAEKREIKRRLTRKLSQR
PTVAELLARKILRFNEYVEVTDQDYDRRADKPWTKLTPADKAAIRKELNEFKSSEMEVHEESKHFTRYH
RP
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TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_001048183

ORF Size: 2106 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_001048183.3](#)

RefSeq Size: 6225 bp

RefSeq ORF: 2109 bp

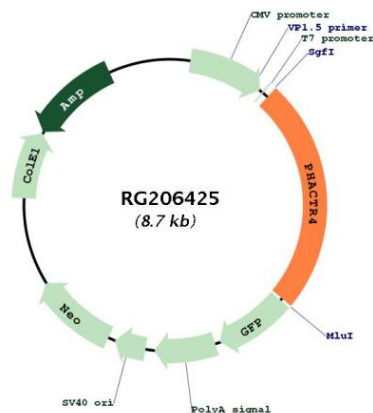
Locus ID: 65979

UniProt ID: [Q8IZ21](#)

Cytogenetics: 1p35.3

Gene Summary: This gene encodes a member of the phosphatase and actin regulator (PHACTR) family. Other PHACTR family members have been shown to inhibit protein phosphatase 1 (PP1) activity, and the homolog of this gene in the mouse has been shown to interact with actin and PP1. Multiple transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Jul 2008]

Product images:



Circular map for RG206425