

Product datasheet for **SC315447**

PHACTR4 (NM_001048183) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Tag:	Tag Free
Symbol:	PHACTR4
Synonyms:	PPPIR124
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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Fully Sequenced ORF:

>SC315447 representing NM_001048183.
Blue=Insert sequence Red=Cloning site Green=Tag(s)

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GCTCGTTTAGTGAACCGTCAGAAATTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTG
GATCCGGTACCGAGGAGATCTGCCGCCGCGATCGCC
ATGGAAGATCCATTTGAGGAAGCAGACCAGCCCACTACAGAGCCAGGCATGGTCCTGGACAGTGTGGAA
GCAGGAGACACAACACCTCCTACAAAAGGAAGAGCAAGTTCTCAGGCTTTGGCAAGATCTTCAAGCCC
TGGAAATGGAGGAAAAAAGTAGTGATAAATTTAAAGAGACTTCAGAAGTTTTAGAACGAAAAATA
TCTATGCGAAAGCCAAGAGAAGAGCTGGTTAAAGAGGGGTTCTGTTGGAAGACCTGAGCAAGGTGGT
GAGGATCCAGGAAGCCAAGCGATGCCATGTTAAAGAATGGCCATACCAACCCCATAGGGAATGCCAGA
TCATCTAGTCCAGTCCAAGTAGAGGAAGAGCCAGTAAGATTAGCAAGTCTTAGGAAAGCTATTCCAGAA
GAGGACCTAAAGAAACGACTAGGCTCAACTGGAAGCCAGCCTAATTCTGAAGCAGAGTCTGTTCCCTGAG
AATGTACCCAAACACCTTTACTTCTCCCAAAAGACCTTGTCTCTTCTCATGAAGCAAGTGAAGGG
CAAGCAAGGATGCCACTTCTCTGGCGGCACGCAAGGTTTCATCATCTCCACCTCCATCACCACAGCA
CCCGCTGCCACCACTGCTGCCACAAGCCTTGCAAGACTGTTAATCTCTCTGTCAACCCCTTCCCAAGCA
CCCAGGACTCTGCCTGCTGCTCCTGCCAGCACTAACACTACTGCTACCCCAAGCCTCACTCATATGGTC
CCTGCCAAGCAGCCCCCTATCCCTCCCCCTAAACAGCTCAGAGAAATAGCAACCCCTGTCTATTGTGAA
CTGTCCCAAGCAATAAACAGTGGTACATTGTTATCAAAACCGTCCCCACCTTACCACCTAAGAGAGGC
ATTCCATCAACCTCAGTACCCACCTTGGAGTCTGCTGCTGCCATCACCACAAAACACCAAGTATGAA
AGAGAGAAGAGCAGTGTCTATGGGCTCGGAAGTACTACCAATGATCTCACCTCGCTCTCCGTCGCCCC
CCACTGCCTACTCATATACCTCCAGAGCCTCCACGCACCCCTCCATTCCCTGCTAAGACTTTTCAAGTT
GTGCCAGAAATGAGTTTCCACCATCCTTAGATCTACACCAGGAGATTCACAGCAGGAAGATCAGAAA
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CTCCCACTGCATATTGCAATCCAGCAGGCCCTCACCAGCCCACTTCCCATGACTCCTATTCTGGAGGGT
TCTCAGAGACTCATTCTGTTGCTTTTGAAGACAGTGACAGCTTTCTGAGGACAGCAGTACGCTGGGT
CGGACCAGGTCTCTTCCCATCACTATTGAAATGCTAAAAGTCCAGACGATGAAGAAGAAGAGGAGCAA
ACCTGTCCATCCACATTCAGTGAAGAAATGACACCTACCTCAGTCATTCTAAATTACCACAGTGTCTA
CGGGAGGAAGAAGAGAAGGAGAGCGACTCTGATTGAGAAGGTCCCATTCAGTACCGAGATGAAGAAGAT
GAAGATGAAGCTATCAGAGTCTCTCGCCAACAAAGTGAAGAGGAAAGACACACTGGCAATGAAGTTG
AACCACAGACCCAGTGAACAGAGTTGAACCTGAATTCTTGGCCTTGTAAGCAAGGAGGAGTGAAT
GAAATACGGCACCAGATTGGAACACACTGATCCGGCGACTGAGTCAAAGACCAACACCAGAAGAACTA
GAACAACGCAATATATTGCAACCTAAAAATGAAGCTGATCGTCAGGCAGAAAAACGAGAAATTAACGT
CGGCTCACTAGAAAGCTCAGTCAAAGGCCAACTGTGCTGAACTCCTTGCCAGGAAGATTCTGAGGTTT
AATGAATATGTAGAGGTAAACAGATGCTCAAGATTATGACCGCGAGCCGACAAACCTTGGACCAAACTG
ACCCCTGCTGACAAGGCTGCCATAAGAAAAAGATTAAATGAATTTAAAGCTCCGAGATGGAGGTTTAT
GAAGAGAGCAAAACATTTTACACGCTACCATCGTCCATGA
ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGAT
TACAAGGATGACGACGATAAGGTTTAAACGGCCGGC
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Restriction Sites:

Sgfl-MluI

ACCN:

NM_001048183

Insert Size:

2109 bp

OTI Disclaimer:

Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).

OTI Annotation:

This TrueClone is provided through our Custom Cloning Process that includes sub-cloning into OriGene's pCMV6 vector and full sequencing to provide a non-variant match to the expected reference without frameshifts, and is delivered as lyophilized plasmid DNA.

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_001048183.1
RefSeq Size:	6225 bp
RefSeq ORF:	2109 bp
Locus ID:	65979
UniProt ID:	Q8IZ21
Cytogenetics:	1p35.3
MW:	78.2 kDa
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] Transcript Variant: This variant (1) encodes isoform 1. Variants 1 and 5 encode the same protein (isoform 1). Sequence Note: This RefSeq record was created from transcript and genomic sequence data to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on transcript alignments.