

Product datasheet for **SC112339**

PHACTR4 (NM_023923) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	PHACTR4 (NM_023923) Human Untagged Clone
Tag:	Tag Free
Symbol:	PHACTR4
Synonyms:	PPP1R124
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)



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Fully Sequenced ORF: >NCBI ORF sequence for NM_023923, the custom clone sequence may differ by one or more nucleotides

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ATGGGACAAGCTGATGTCTCCAGACCGGTAAATCCAGATGCAGTTGAGGAAGCAGACCAGCCCACTACAG
AGCCAGGCATGGTCTGGACAGTGTGGAAGCAGGAGACACAACACCTCCTACCAAAGGAAGAGCAAGTT
CTCAGGCTTTGGCAAGATCTTCAAGCCCTGGAATGGAGGAAAAAAAAAAGTAGTGATAAATTTAAAGAG
ACTTCAGAAGTTTTAGAACGGAAAAATATCTATGCGAAAGCCAAGAGAAGAGCTGGTTAAAAAGAGGGGTTT
TGTGGAAGACCTGAGCAAGGTGGTGAGGATCCAGGAAAGCCAAGCGATGCCATGTTAAAGAATGGCCA
TACCACCCCATAGGGAATGCCAGATCATCTAGTCCAGTCCAAGTAGAGGAAGAGCCAGTAAGATTAGCA
AGTCTTAGGAAAGCTATTCCAGAAGAGGACCTAAAGAAACGACTAGGCTCAACTGGAAGCCAGCCTAATT
CTGAAGCAGAGTCTGTTCTGAGAATGTACCCAAACACCTTTACTTCTCCCAAAGACCTTGTCTCTC
TTCTCATGAAGCAAGTGAAGGGCAAGCAAGGATGCCACTTCTCTGGCGGCACGGCAAGGTTTCATCATC
TCCACCTCCATCACCACAGCACCCGCTGCCACCACTGCTGCCACAAGCCTTGCAAAGACTGTTAATCTCT
CTGTCAACCCCTCCCCAGCACCCAGGACTCTGCCTGCTGCTCTGCCAGCACTAACACTACTGCTACCCC
AAGCCTCACTCATATGGTCCCTGCCAAGCAGCCCTATCCCTCCCCCTAAACCAGCTCAGAGAAATAGC
AACCCTGTCAATTGCTGAAGTGTCCCAAGCAATAAACAGTGGTACATTGTTATCAAAACCGTCCCCACCT
TACCACCTAAGAGAGGCATTCCATCAACCTCAGTACCCACCTTGGAGTCTGCTGCTGCCATCACCACAAA
AACACCAAGTGATGAAAGAGAGAAGAGCACGTGTTCTATGGGCTCGGAACACTACCAATGATCTCACCT
CGCTCTCCGTCCCCCCTGCTACTCATATACCTCCAGAGCCTCCACGCACCCCTCCATTCCCTGCTA
AGACTTTTCAAGTTGTGCCAGAAATTGAGTTTCCACCATCCTTAGATCTACACCAGGAGATTCCCAGCA
GGAAGATCAGAAAAAGGAAGTCCCAAGAGGATACTGGACCAGAACTTTGGGAGCCCCATATACCCTCT
AGGCTGCCTCCACTCCCACTGCATATTCGAATCCAGCAGGCCCTCACCAGCCCACTTCCCATGACTCCTA
TTCTGGAGGGTTCTCACAGAGCTCATTCTGTTGCTTTTTGAAAACAGTGACAGCTTTTCTGAGGACAGCAG
TACGCTGGGTCGGACCAAGTCTCTTCCCATCACTATTGAAATGCTAAAAGTTCCAGACGATGAAGAAGAA
GAGGAGCAAACCTGTCCATCCACATTCACTGAAGAAATGACACCTACCTCAGTCATTCTAAATTACCAC
AGTGTCTACGGGAGGAAGAAGAGAAGGAGAGCGACTCTGATTGAGAAGTCCCATTCACTACCGAGATGA
AGAAGATGAAGATGAAAGCTATCAGAGTCTCTCGCCAAACAAAGTGAAGAGGAAAGACACACTGGCAATG
AAGTTGAACACAGACCCAGTGAACCAAGTGAACCTGAATTCTTGGCCTTGTAAGCAAGGAGGAGT
GGAATGAAATACGGCACCAGATTGGAACACACTGATCCGCGACTGAGTCAAAGACCAACACCAGAAGA
ACTAGAACACGCAATATATTGCAACCTAAAAATGAAGCTGATCGTCAGGCAGAAAAACGAGAAATTA
CGTCGGCTCACTAGAAAGCTCAGTCAAAGGCCAACTGTCGCTGAACTCCTTGCCAGGAAGATTCTGAGGT
TTAATGAATATGTAGAGGTAACAGATGCTCAAGATTATGACCGGCGAGCCGACAAACCTTGACCAAACT
GACCCCTGCTGACAAGGCTGCCATAAGAAAAGAATTAAATGAATTTAAAGCTCCGAGATGGAGGTTTCAT
GAAGAGAGCAAACATTTTACACGCTACCATCGTCCATGA

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5' Read Nucleotide Sequence:	>OriGene 5' read for NM_023923 unedited <pre> GTCAGATTTGTATACGACTCATATAGGGCGGCCGCGATTCCGGCACGAGGGTGGAAGCAGG AGACACAACACCTCTACCAAAAGGAAGAGCAAGTTCTCAGGCTTTGGCAAGATCTTCAA GCCCTGGAAATGGAGGAAAAAAGTAGTGATAATTTAAAGAGACTTCAGAAGTTTT AGAACGGAAATATCTATGCGAAAGCCAAGAGAAGAGCTGGTTAAAAGAGGGGTTCTGTT GGAAGACCCTGAGCAAGGTGGTGAGGATCCAGGAAAGCCAAGCGATGCCATGTTAAAGAA TGGCCATACCAACCCCATAGGGAATGCCAGATCATCTAGTCCAGTCCAAGTAGAGGAAGA GCCAGTAAGATTAGCAAGTCTTAGGAAAGCTATTCCAGAAGAGGACCTAAAGAAACGACT AGGCTCAACTGGAAGCCAGCCTAATTCTGAAGCAGAGTCTGTTCTGAGAATGTACCCAA ACCACTTTACTTCTCTCCAAAAGACCCTTGCTCTTCTCATGAAGCAAGTGAAGGGCA AGCAAAGGATGCCACTTCTCTGGCGGCACGGCAAGGTTTCATCATCTCCACCTCCATCA CCACAGCACCCGCTGCCACCACTGCTGCCACAAGCCTTGCAAAGACTGTTAATCTCTCTG TCACCCCTTCCCAGCACCCAGGACTCTGCCTGCTGCTCTGCCAGCACTAACACTACTG CTACCCCAAGCCTCACTCATATGGTCCCTGCCAAGCAGCCCCCTATCCCTTCNCNTAAAC CAGCTCACAGAAATAGCAACCCTGTCATTGCTNGACTGTCCCAAGCATAAACAGTGGTAC ATTGTTATCAAAACCGTNCACCCCTTACCACCTAAGAGAGGCATTCCATCAACCTCAGT ACCCACTTNGGAGTCTGCTGCTGNCATACCACAAAAACACAGTGATGAAAGAAGAAN AGCACCGTGTCTATGGGCTC </pre>
Restriction Sites:	NotI-NotI
ACCN:	NM_023923
Insert Size:	3500 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).
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:	<u>NM_023923.2</u> , <u>NP_076412.2</u>
RefSeq Size:	6208 bp
RefSeq ORF:	2061 bp
Locus ID:	65979
UniProt ID:	<u>Q8IZ21</u>
Cytogenetics:	1p35.3
Domains:	RPEL

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 (2) contains a distinct 5' UTR and initiates translation at an alternative AUG, compared to variant 1. The resulting isoform (2) has a distinct and longer N-terminus when compared to 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.