

Product datasheet for **SC305306**

PHACTR1 (NM_030948) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	PHACTR1 (NM_030948) Human Untagged Clone
Tag:	Tag Free
Symbol:	PHACTR1
Synonyms:	DEE70; dJ257A7.2; EIEE70; RPEL; RPEL1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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Fully Sequenced ORF: >SC305306 representing NM_030948.
 Blue=Insert sequence Red=Cloning site Green=Tag(s)

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GCTCGTTTAGTGAACCGTCAGAATTTTGTAAACGACTCACTATAGGGCGGCCGGGAATTCGTGCACTG
GATCCGGTACCGAGGAGATCTGCCGCCCGCATCGCC
ATGGATTATCCCAAAATGGATTATTTCTGGATGTAGAGTCTGCTCACAGACTCTTGGATGTTGAGTCA
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ATGCGTTCTGACTCCCTCGTCCCAGGCACCCACACCCACCCATCCGAGGAGAAGTAAGTTTGCCAAC
CTGGGAAGGATTTTCAAGCCTTGGAATGGAGGAAGAAGAAAAGCGAAAAGTTCAAACACACGTCAGCA
GCCCTGGAAGGAAAATATCTATGAGGCAAGCAGAGAAGAGCTGATAAAGCGAGGAGTCTGAAGGAA
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TGCTGTGCCAGTGAAGTGTGCGCTCCGCTACCTCCAAAGAAAGTCATGATCTGTATGCCCGTGGGGGG
CCAGACCTCTCACTGGTGTCTACACAGCCAGAGAGTGGCCAGCAGGCTGTGGCCAGCACCACCAC
ACTGTCCTGCCCTCCCAGATCCAGCACCAGCTGCAGTACGGCAGCCACGCCAGCACCTCCCCTCCACC
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TATACAAGAGAAGAGGAGGAAGAGGAGGAGGACGAAGACGACGACAGCTCATTATACACGAGTCCCTG
GCCATGAAGGTCTGCAGGAAGGACTCCTTAGCCATCAAACCTCAGCAACAGGCCCTCCAAGCGAGAGCTG
GAAGAAAAGAATCCTTCCCAGGCAGACGGATGAGGAGCGGCTGGAGCTGAGGCAACAGATTGGCACC
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CGGAATGAACAAGAGGAACAGGAGGAGAAGAGAGATCAAGAGGAGGCTAACCCGAAAGCTCAGTCAA
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GACGCTCAGGACTATGACCGCAGGCGAGATAAGCCGTGGACCCGCTCACCCTGCAGACAAAGCTGCC
ATCCGAAAGGAGCTCAATGAATTCAAAGCACTGAGATGGAAGTTCATGAATTGAGTAGACACTTAACA
AGGTTTACCGACCTTAA
ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGAT
TACAAGGATGACGACGATAAGGTTTAAACGGCCGGC
  
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Restriction Sites: Sgfl-MluI

ACCN: NM_030948

Insert Size: 1743 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.
RefSeq:	<u>NM_030948.3</u>
RefSeq Size:	3045 bp
RefSeq ORF:	1743 bp
Locus ID:	221692
UniProt ID:	<u>Q9C0D0</u>
Cytogenetics:	6p24.1
MW:	66.3 kDa
Gene Summary:	The protein encoded by this gene is a member of the phosphatase and actin regulator family of proteins. This family member can bind actin and regulate the reorganization of the actin cytoskeleton. It plays a role in tubule formation and in endothelial cell survival. Polymorphisms in this gene are associated with susceptibility to myocardial infarction, coronary artery disease and cervical artery dissection. Alternative splicing of this gene results in multiple transcript variants. [provided by RefSeq, Apr 2016] Transcript Variant: This variant (1) represents the longest transcript and encodes isoform a. Variants 1, 2, 3 and 4 all encode isoform a. 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.