OriGene Technologies, Inc.
9620 Medical Center Drive, Ste 200
Rockville, MD 20850, US
Phone: +1-888-267-4436
https://www.origene.com
techsupport@origene.com
EU: info-de@origene.com
CN: techsupport@origene.cn

Product datasheet for SC316247

Phostensin (PPP1R18) (NM_133471) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Phostensin (PPP1R18) (NM_133471) Human Untagged Clone
Tag:	Tag Free
Symbol:	Phostensin
Synonyms:	HKMT1098; KIAA1949
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)

Fully Sequenced ORF:

>SC316247 representing NM_133471.
Blue=Insert sequence Red=Cloning site Green=Tag(s)

GCTCGTTTAGTGAACCGTCAGAATTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTG
GATCCGGTACCGAGGAGATCTGCCGCCGCGATCGCC
ATGGCCACCATCCCAGACTGGAAGCTACAGCTGCTAGCCCGGCGCCGGCAGGAGGAGGCGTCCGTTCGA
GGCCGAGAGAAAGCAGAACGGGAGCGCCTGTCCCAGATGCCAGCCTGGAAACGAGGGCTCCTGGAGCGC
CGCCGGGCCAAGCTTGGGCTGTCCCCTGGGGAGCCTAGCCCTGTGCTAGGGACTGTAGAGGCTGGACCT
CCAGACCCGGATGAGTCTGCGGTCCTTCTGGAGGCCATCGGGCCAGTGCACCAGAACCGATTCATCCGG
CAGGAGCGGCAGCAGCAGCAGCAACAACAACGGAGTGAAGAGCTGCTAGCAGAGAGAAAGCCTGGG
CCTCTGGAGGCCCGGGAGCGGAGACCCAGCCCTGGGGAGATGCGGGATCAGAGCCCCAAGGGAAGAGAG
TCAAGAGAAGAGAGACTAAGTCCGAGGGAGACCAGAGAGAGGAGGCTGGGGATAGGGGGAGCCCAAGAG
TTGAGCCTGAGGCCTCTGGAGGCTCGGGACTGGAGGCAAAGCCCAGGAGAGGTGGGAGACAGGAGCTCC
CGACTGTCAGAGGCATGGAAATGGAGGCTGAGTCCTGGAGAAACTCCAGAGCGGAGTCTGAGACTAGCA
GAGTCTCGAGAGCAAAGCCCCAGGAGAAAAGAGGTGGAAAGTAGACTGAGCCCAGGGGAATCTGCCTAC
CAGAAGTTGGGCCTGACAGAGGCCCATAAATGGAGACCTGACTCCAGAGAGTCTCAGGAACAGAGTTTG
GTACAACTGGAGGCAACAGAGTGGAGGCTGAGGTCAGGAGAAGAAAGACAAGACTACTCGGAAGAATGT
GGGAGAAAAGAAGAGTGGCCAGTTCCAGGGGTAGCTCCAAAAGAGACTGCAGAGCTGTCCGAGACCCTG
ACAAGGGAGGCCCAAGGCAACAGTTCCGCAGGAGTGGAGGCAGCAGAGCAGAGGCCTGTGGAAGATGGC
GAGAGGGGCATGAAGCCAACAGAAGGGTGGAAATGGACCCTGAACTCCGGGAAGGCTCGAGAATGGACA
CCCAGGGACATAGAGGCTCAAACTCAGAAACCAGAACCTCCAGAGTCAGCAGAGAAGCTTCTGGAATCT
CCCGGTGTGGAGGCTGGAGAAGGGGAGGCTGAGAAGGAGGAGGCGGGGGCTCAGGGCAGGCCTCTGAGA
GCCCTGCAGAACTGCTGCTCTGTGCCCTCCCCCCTCCCACCAGAGGACGCTGGGACTGGAGGCCTGAGA
CAGCAGGAAGAGGAAGCAGTGGAGCTCCAGCCCCCACCACCAGCCCCTCTGTCTCCCCCACCCCCAGCC
CCAACTGCCCCCCAACCTCCTGGGGATCCCCTCATGAGCCGCCTGTTCTATGGGGTGAAGGCAGGGCCA
GGGGTGGGGGCCCCCCGCCGCAGTGGACACACCTTCACCGTCAACCCCCGGCGGTCTGTGCCCCCTGCG
ACCCCAGCCACCCCAACCTCTCCAGCCACAGTTGATGCTGCAGTCCCGGGGGCTGGGAAGAAGCGGTAC
CCAACTGCCGAGGAGATCTTGGTTCTGGGGGGCTACCTCCGTCTCAGCCGCAGCTGCCTTGCCAAGGGG
TCCCCCGAAAGACACCACAAACAGCTTAAGATCTCCTTCAGCGAGACAGCCCTGGAGACCACGTACCAA
TACCCCTCCGAGAGTTCGGTACTGGAGGAGCTGGGCCCGGAGCCTGAGGTCCCCAGTGCCCCCAACCCT
CCAGCAGCCCAACCCGACGACGAAGAGGATGAGGAAGAGCTGCTGCTGCTGCAGCCAGAGCTCCAGGGC
GGGCTGCGCACCAAGGCCCTGATTGTGGATGAGTCCTGCCGGCGGTGA
ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGAT
TACAAGGATGACGACGATAAGGTTTAAACGGCCGGC

Restriction Sites: SgfI-MluI

ACCN: NM_133471

Insert Size: 1842 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:	NM_133471.3
RefSeq Size:	4615 bp
RefSeq ORF:	1842 bp
Locus ID:	170954
UniProt ID:	Q6NYC8
Cytogenetics:	6p21.33
MW:	67.9 kDa
Gene Summary:	Protein phosphatase-1 (PP1; see MIM 176875) interacts with regulatory subunits that target the enzyme to different cellular locations and change its activity toward specific substrates. Phostensin is a regulatory subunit that targets PP1 to F-actin (see MIM 102610) cytoskeleton (Kao et al., 2007 [PubMed 17374523]).[supplied by OMIM, Mar 2008] Transcript Variant: This variant (1) represents a longer transcript. Variants 1 and 2 encode the same protein.