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Product datasheet for SC200911

PLEKHO1 (NM_016274) Human 3' UTR Clone

Product data:

Product Type:	3' UTR Clones
Symbol:	PLEKHO1
Synonyms:	CKIP-1; CKIP1; JBP; OC120
Mammalian Cell Selection:	Neomycin
Vector:	pMirTarget (PS100062)
ACCN:	NM_016274
Insert Size:	572 bp

Insert Sequence:

>SC200911 3'UTR clone of NM_016274
The sequence shown below is from the reference sequence of NM_016274. The complete sequence of this clone may contain minor differences, such as SNPs.
Blue=Stop Codon Red=Cloning site

GGCAAGTTGGACGCCCGCAAGATCCGCGAGATTCTCATTAAGGCCAAGAAGGGCGGAAAGATCGCCGTG
TAACAATTGGCAGAGCTCAGAATTCAAGCGATCGCC
CACAGTCAGTACCGGAAGAGCCTGATGTGAGGGCAGGGTGGGGTCTGGAACTTGTCGGGTTGGACAGAC
TCTTATCTCCGTGTTGCTGGATAAAGCTTTTTTATTTACCTCAATCAAAAAAAGAAAACAAAAATGAAC
TCATTGCTCTTGCTGATGCCTGACCCCACTACAACCCTTATTGCCCCACCTACTTTCCATATGCCCCTC
GTATGCCCCTCAGGTTTGAGGAAGTGACCCCGCAGCAGTAGCAGGAAGTTTTTACCCAGCCAGAGAGAG
AGAAGGCACGGTAAAGACACAGTCTGACCACTCCACACACCGCCCGCCCCCAAGACGGCACAGGGAGTC
CACTGCTGCTCCCAAGGATACAGTGGGCTTCTAAGCTTAGAGCGGGAGGGGGATGAGGATGTTTTCTGT
TATGTCCCACCCCAGGCCTTCAGTTTGAGGGTGAAGTTTCAGCTGCCCAACTCTAGTTGTAGGGATGTG
GAGGCCAGTGTCACCTGTCCGTGCACATGGAAGTGAAATTTATCCCAGCCCTGAGGAGGATTTGTGGAA
TTAAAATCTCCCCAGCCAGA
ACGCGTAAGCGGCCGCGGCATCTAGATTCGAAGAAAATGACCGACCAAGCGACGCCCAACCTGCCATCA
CGAGATTTCGATTCCACCGCCGCCTTCTATGAAAGG

Restriction Sites:	SgfI-MluI
OTI Disclaimer:	Our molecular clone sequence data has been matched to the sequence identifier above as a point of reference. Note that the complete sequence of this clone is largely the same as the reference sequence but may contain minor differences , e.g., single nucleotide polymorphisms (SNPs).

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Components: The cDNA clone is shipped in a 2-D bar-coded Matrix tube as 10 ug dried plasmid DNA. The package also includes 100 pmols of both the corresponding 5' and 3' vector primers in separate vials.

Note: Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.

RefSeq: NM_016274.6

Summary: Plays a role in the regulation of the actin cytoskeleton through its interactions with actin capping protein (CP). May function to target CK2 to the plasma membrane thereby serving as an adapter to facilitate the phosphorylation of CP by protein kinase 2 (CK2). Appears to target ATM to the plasma membrane. Appears to also inhibit tumor cell growth by inhibiting AKT-mediated cell-survival. Also implicated in PI3K-regulated muscle differentiation, the regulation of AP-1 activity (plasma membrane bound AP-1 regulator that translocates to the nucleus) and the promotion of apoptosis induced by tumor necrosis factor TNF. When bound to PKB, it inhibits it probably by decreasing PKB level of phosphorylation.[UniProtKB/Swiss-Prot Function]

Locus ID: 51177

MW: 21.2