

## Product datasheet for SC321205

### PLEKHO1 (NM\_016274) Human Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	PLEKHO1 (NM_016274) Human Untagged Clone
Tag:	Tag Free
Symbol:	PLEKHO1
Synonyms:	CKIP-1; CKIP1; JBP; OC120
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC (PS100020)
E. coli Selection:	Ampicillin (100 ug/mL)

**Fully Sequenced ORF:** >OriGene sequence for NM\_016274.3  
 GGGGAAGGAGCCCCCGCGGTGCCGCGAGGCCCGACGCGGGGCCCCCTCGGCTCGCC  
 GCCCGCGCCCGCGCCCGCTGGGAATGATGAAGAAGAACAATTCGCCAAGCGGGGACCT  
 CAGGATGGAAACCAGCAGCCTGCACCGCCGAGAAGGTCGGTGGTCCGGAAATTTCTGC  
 GGGAAAGGGATTTTCAGGGAGATTTGGAAAAACCGCTATGTGGTCTGAAAGGGGACCAG  
 CTCTACATCTCTGAGAAGGAGGTAAAAGATGAGAAAAATATTCAAGAGGTATTTGACCTG  
 AGTGACTATGAGAAGTGTGAAGAGCTCCGGAAGTCCAAGAGCAGGAGCAAGAAAAATCAT  
 AGCAAGTTTACTTTGCCACTCCAAACAGCCCGGTAACACGGCACCCAACTGATCTTC  
 CTGGCAGTGAGTCCAGAAGAGAAGGAATCGTGGATCAATGCCCTCAACTTGCCATCACC  
 CGAGCCAAGAACCGTATCTTGGATGAGGTCACCGTTGAGGAGGACAGCTATCTTGCCAT  
 CCCACTCGAGACAGGGCAAAAATCCAGCACTCCCGCCGCCCCCAACAAGGGGACACCTA  
 ATGGCTGTGGCTTCCACCTCTACCTCGGATGGGATGCTGACCTTGACTTGATCCAAAGAG  
 GAAGACCTTCCCTGAGGAACCAACCTCTTGTGCTGAGAGCTTTGCGGTTGACCTGGAC  
 AAGTCTGTGGCCAGCTGGCAGGGAGCCGGCGGAGAGCGGACTCAGACCCGATCCAGCCC  
 TCCGCAGACCGGGCAAGCAGTCTCTCCCGACCTTGGGAAAAACAGACAAAGGGGCCACC  
 TACACCCCAAGGACCAAGAAGTTGACGCCACAGAGAAAGGCGCTGCGCCTCCCTG  
 GAGGAGATCCTATCTCAGCGGGATGCTGCCTCTGCCCGCACCTCCAGCTGCGGGCTGAG  
 GAACCCCAACCCTGCCCTCCCAACCCGGGGCAGCTGTCCCGATCCAGGACCTGGTA  
 GCAAGGAAACTGGAGGAGACTCAGGAGCTTCTGGCAGAGGTTGAGGACTGGGAGATGGG  
 AAGCGAAAGGCCAAGGACCCCTCGGTCTCCGCGGATTCTGAGTCAGAGCAGCTGCTG  
 CTGGAGACGGAACGGCTGCTGGGAGAGGCATCATCGAATTGGAGCCAGGCAAAGAGGGTG  
 CTGAGGAGGTCAGGGAGCTGAGAGACCTGTACAGACAGATGGACCTGCAGACCCCGGAC  
 TCCACCTCAGACAGACCACCCGCACAGTCAGTACCGGAAGAGCCTGATGTGAGGGCAG  
 GGTGGGTCTGGAACCTTGTGGGTTGGACAGACTTTATCTCCGTGTTGCTGGATAAAGC  
 TTTTTTTTACCTCAATCAAAAAAAAAAAAAAAAAAAAA

**Restriction Sites:** Please inquire



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<b>ACCN:</b>	NM_016274
<b>OTI Disclaimer:</b>	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).
<b>OTI Annotation:</b>	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.
<b>Components:</b>	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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"><li>1. Centrifuge at 5,000xg for 5min.</li><li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li><li>3. Close the tube and incubate for 10 minutes at room temperature.</li><li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li><li>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.</li></ol>
<b>RefSeq:</b>	<u><a href="#">NM_016274.3</a></u> , <u><a href="#">NP_057358.2</a></u>
<b>RefSeq Size:</b>	1633 bp
<b>RefSeq ORF:</b>	1230 bp
<b>Locus ID:</b>	51177
<b>UniProt ID:</b>	<u><a href="#">Q53GL0</a></u>
<b>Cytogenetics:</b>	1q21.2
<b>Domains:</b>	PH
<b>Gene Summary:</b>	<p>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]</p> <p>Transcript Variant: This variant (1) represents the longest transcript and encodes the longest isoform (a).</p>