

Product datasheet for MC210507

Plekho1 (NM_023320) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Plekho1 (NM_023320) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Plekho1
Synonyms:	2810052M02Rik; CKIP-1; Ckip1; JZA-20; Jza2
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>MC210507 representing NM_023320 Red=Cloning site Blue=ORF

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGAAGAAGAGCGGCTCCGGCAAGCGGGGCTCCGGATGGAAACCATCAGTCTGCGGGCCCGAGAAGG
TCGGCTGGGTCCGAAATTCGCGGAAAGGGATTTTCAGGGAGATTTGGAAAAACCGCTATGTGGTGCT
GAAAGGCGACAGCTCTACGTCTCCGAGAAGGAGGTAAGATGAGAAAAACAGTCAGGAGGTGTTGAC
CTGAGTGACTATGAGAAGTGCAGAGAGCTCCGAAATCCAAGAGCAGGAGCAAGAAAAATCACAGCAAGT
TCACCCTGGCCCGGTGCAGACAGCCGGCACACGGCACCAACCTCATCTTCTGGCCGTGAGTCTGA
AGAGAAGGAGTCAATGGATCAACGCCCTGAGTTCTGCCATTACCAGAGCTAAAAACCGTATCTGGATGAG
GTCACCCTTGAGGAGGACAGCTATCTTGCCACCTACTCGAGACAGAGCAAAAAATCCAACACTCCCGCC
GTCCTCCAACCCGGGACACCTCATGGCTGTGGCTTCGACCTCTACCTCAGATGGGATGCTAACATTAGA
CCTGATCCAAGAGGAAGACCCCTCCCTGAGGAGCCAGCCTCTTGCTGAGAGCTTCGGGTGCGATCTG
GACAAGTCTGTGGCCAGCTGGCTGGCAGTCGACGGAGAGCGGACTCAGACAGGATCCAGCCCTCTTCG
AGCGGGCAAGCAGCCTTTCTCGGCCTTGGGAAAAACCAGACAAGGGAGCCCTACACCCACAAGCACT
GAAGAAGTTCCCAAGTACAGAGAAGAGCCGATGTGCCTCCCTGGAGGAGATCCTATCCAGAGGGACACT
GCCCCAGCCCGCCCTTACCTCAAGCTGAGGAATCCCTACCCCTGTCCCTGCCAGCCAGGGCAGC
TGTCCTCGGATCCAGGACCTGGTAGCAAGGAACTGGAGAAGACTCAGGAGCTGCTGGCAGAGGTTACGG
ACTGGGTGACGGCAAGCGGAAGGCAAGGACCCCCACAGTCTCCACCCGACTCGGAGTCGGAGCAGCTG
CTGCTGGAGACAGAGAGGCTGCTGGGAGAGGCTTCTCCAAGTGGAGCCAGGCAAGAGAGTGTGCAGG
AAGTCCGGGAGCTGAGAGACCTGTACAGGCAGATGGACCTGCAGACCCCGGACTCCACCTCAGACAGAC
CTCCAGCACAGTCAATACCGGAAGAGCCTGATGTGA

ACGGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Restriction Sites:	Sgfl-Mlul
ACCN:	NM_023320
Insert Size:	1227 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:	<ol style="list-style-type: none">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:	BC117003 , AAI17004
RefSeq Size:	1301 bp
RefSeq ORF:	1227 bp
Locus ID:	67220
UniProt ID:	Q9JIY0
Cytogenetics:	3 F2.1
Gene 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 (By similarity). [UniProtKB/Swiss-Prot Function]