

Product datasheet for **MC216876**

Pkdcc (NM_134117) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Pkdcc (NM_134117) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Pkdcc
Synonyms:	Adtk1; AI115348; AW548124; ESTM17; MAd1; Sgk493; Vlk; X83346
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



[View online »](#)

Fully Sequenced ORF: >MC216876 representing NM_134117
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGCGGCGCCGGCGGGCGGCCGTGGCCGCTGTTTCTGCGCCTCCTTCTGCTGGGCTCCGTCCTCAACG
 TGCTCTTCGCACCGGGCTCGGAGCTCCGCGGCCAGGCCAGTCCCGGGGTCTCGGCAGCCCCGGGCC
 GGGCCGTCGCGGGGGCCGTGGGAGCTGGCCCGCAGATCCGGGAGCGCTACGAGGAGGTGCAGCGCTAT
 TCCCGCGGGGGCCGGGGCCGGAGCGGCCCGCCAGAGCGGCGCGCTGATGGACTGGCTCCGGGCG
 GGCCGGGCTGCAGCGTCCCGGCCCGCGGGTCCGGTCCCGCCCGACGGCGCTCCGGGCTGGCCCC
 TGCTCCCGGCCCGGGCTCCCGGCCCGGGCCCGCCTAGGCTGCGCCGCGCTCCGCAACGTGTCTGGC
 GCGCAGTACGTGGGCTCAGGCTACACTAAGGCTGTGTACCGGGTCCGCTGCCCGCGCGCCGCGGTGG
 CGTTAAAGCAGTGGACTTCAGCGGCCACGATCTGGGCAGCTGCGTGCAGGATTCGGGGCGGAAGGGG
 CTGCTATCGCTGGCGGCCACAAGCTGCTCAAAGAGATGGTGTGCTGGAGCGGCTGCCGACCCCAAC
 GTGCTGCAGCTCTATGGCTATTGCTACCAGGACAGTGAGGGCATCCAGACACGCTGACCACCATCACAG
 AGCTGGGTGCCCTGTGGAGATGATCCAGCTGTTGCAGACTTCCTGGGAGGATCGATTCCGAATCTGCC
 CAGCCTTGGCCGCTCCTCCACCACCTGGCCACTCCCGCTGGGCTCGGTACCCTGCTTGACTCCGC
 CCTCGGAGTTTGTGCTAGTGAACGGGGAGCTGAAAGTGACAGACCTGGATGATGCCCGCGTGGAAGAGA
 CACCGTGACACAGCAGTCCGACTGCACGCTAGAGTTCCAGCCAGGAATTCAGCCTGCCCTGCTCGGC
 CCAGGGCTGGTGCAGGGCATGAATGAGAAACGGAACCTCTACAATGCCTACAGTTCTTCTTACATAC
 CTCCTGCCACACAGTCCCCGCCTTCCCTCCGACTCTCCTGGATAGCATCGTCAATGCCACGGGAGAGC
 TCGCTGGGGGGTGGATGAGACCCTGGCCAGCTGGAGACAGCGCTACACTTGTTCGAAGTGGGCAGTA
 CCTGCAGAACTCTACAAGCAGCAGGGCTGAGTACCAGCGCATCCCGGACAGTGCCATCACACAGGAGGAC
 TATCGCTGCTGGCCATCCTATACCACGGCGGCTGCCTCCTGTCCGTGTTCAACCTGGCTGAGGCTATAG
 ATGTCTGTGAGAGCCATGCTCAGTGTGCTGCTTTGTGGTACCACACAGACCACCTGGACAGGTCGGAA
 GCTGGTCTTTTTAAGACTGGATGGAACCAAGTGGTCCCTGATGCCGGCAAGACCACATATGTGAAGGCC
 CCTGGT**TGA**

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: Sgfl-Mlul

ACCN: NM_134117

Insert Size: 1479 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:

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_134117.2](#), [NP_598878.2](#)

RefSeq Size: 2454 bp

RefSeq ORF: 1479 bp

Locus ID: 106522

UniProt ID: [Q5RJI4](#)

Cytogenetics: 17 52.25 cM

Gene Summary: Secreted tyrosine-protein kinase that mediates phosphorylation of extracellular proteins and endogenous proteins in the secretory pathway, which is essential for patterning at organogenesis stages. Mediates phosphorylation of MMP1, MMP13, MMP14, MMP19 and ERP29 (PubMed:25171405). May also have serine/threonine protein kinase activity (PubMed:25171405). Required for longitudinal bone growth through regulation of chondrocyte differentiation (PubMed:19097194, PubMed:23792766). May be indirectly involved in protein transport from the Golgi apparatus to the plasma membrane (PubMed:19465597). Probably plays a role in platelets: rapidly and quantitatively secreted from platelets in response to stimulation of platelet degranulation (PubMed:25171405). [UniProtKB/Swiss-Prot Function]