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 MC201081

Pdzk1 (NM_021517) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Pdzk1 (NM_021517) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Pdzk1
Synonyms:	1700023D20Rik; 2610507N21Rik; 4921513F16Rik; AI267131; AI314638; AL022680; D3Ertd537e
Mammalian Cell Selection:	Neomycin
Vector:	PCMV6-Kan/Neo (PCMV6KN)
E. coli Selection:	Kanamycin (25 ug/mL)

View online »

Fully Sequenced ORF:

>BC013512 sequence for NM_021517
GATCCTTCGCCACAGAAATGGCCTCCACCTTCAACCCCAGAGAGTGTAAATTGTCCAAACAAGAGGGGCA
GAACTATGGCTTCTTCCTCCGAATTGAGAAGGACACTGATGGTCACCTGATCCGGGTGATTGAGGAGGGG
AGCCCAGCAGAGAAGGCGGGGCTCCTGGACGGTGACAGGGTGCTCAGGATCAATGGTGTCTTTGTCGACA
AGGAGGAGCATGCGCAGGTGGTGGAGCTGGTCAGAAAGAGTGGGAATTCAGTGACTCTGCTGGTCCTGGA
TGGAGACTCCTATGAGAAGGCTGTGAAAAATCAGGTGGATTTGAAAGAGCTGGATCAAAGCCAGAGGGAG
GCCGCTCTGAATGATAAGAAACCGGGCCCTGGGATGAACGGAGCGGTGGAGCCGTGTGCCCAGCCACGGC
TCTGCTACCTGGTGAAGGAGGGCAACAGCTTTGGCTTCTCTCTGAAAACTATCCAAGGTAAAAAGGGTGT
GTACTTGACTGATATAATGCCTCAGGGCGTGGCCATGAAAGCTGGTGTTCTGGCTGATGATCACTTGATT
GAAGTGAATGGAGAAAATGTAGAGAACGCCAGCCATGAGGAAGTGGTTGAAAAGGTGACAAAGTCAGGAA
GCCGTATCATGTTCCTCCTTGTGGACAAAGAAACTGCCAGGTGCCATAGTGAACAGAAGACACAATTCAA
GAGGGAGACAGCCAGTTTGAAACTGCTGCCCCACCAGCCCCGGGTGGTAGTGATCAAGAAGGGCAGCAAT
GGCTATGGCTTCTATCTGAGGGCGGGGCCTGAACAGAAAGGTCAAATCATTAAGGACATAGAACCCGGGA
GCCCAGCAGAGGCAGCCGGCTTGAAGAACAATGACTTGGTAGTTGCTGTCAATGGCAAGTCTGTGGAAGC
TCTTGATCATGACGGTGTGGTGGAAATGATTAGAAAAGGTGGAGACCAGACTACTCTGTTGGTGCTGGAC
AAAGAGGCAGAGAGCATCTATAGCCTGGCTCGGTTCTCTCCACTTCTTTACTGCCAAAGTCAAGAACTGC
CTAATGGTTCTGTCAAGGAAGGCCCAGCTCCGATCCCTGCTCCTCTGGAGGCCACAGGCTCAGAGCCCAC
AGAGGACGCGGAGGGTCACAAGCCCAAGCTCTGCAGGCTGCTTAAAGAGGACGATAGCTACGGCTTTCAC
CTGAATGCCATTCGGGGTCAGCCTGGCTCCTTTGTCAAAGAGGTACAGCAGGGTGGCCCTGCTGACAAGG
CTGGGCTGGAGAATGAGGACGTCATCATCGAAGTGAACGGGGAGAATGTGCAAGAGGAACCCTACGACAG
AGTGGTGGAGAGAATCAAGAGCAGCGGGAAGCATGTCACTCTGTTGGTCTGTGGAAAGATGGCCTACAGC
TACTTCCAAGCTAAGAAAATCCCCATCGTTTCCTCCATGGCCGAGCCCCTGGTGGCTGGCCCTGATGAAA
AAGGAGAGACGTCTGCGGAGTCCGAGCATGACGCCCACCCAGCAAAAGACCGAACTCTCAGCACAGCCTC
ACACTCTTCGTCTAACTCTGAAGACACGGAGATGTGAAGAGAACAAATGATGCTTCCTCTTGAGGGCCCA
GGAACTGCCTCTCCGAGGAATGAGCCCTGCCGACCCCGTCAGACCTCCTCTGGACCATCTGTCCCCCAGA
CTGTCTGTTGTTGTAAGGGCTGCTACTGCAGGTTGCTTATTTAAGCTCAACTTAGCCAGAGGAGGGACCA
GGTTCAGGGTCTTTCTATGTGGTATCTTCCAAAGTGCAACTTTTCACTTCTGTTGATGAGACCTCTTCCT
TCTGCAGGCTTGAGCACCTGGGATGATTCACTGTCCATGTGAGCGCTGCTAATTAAAGAATCAAGCAGAA AAAAAAAAAAAAAAA

Restriction Sites: RsrII-NotI

ACCN: NM_021517

Insert Size: 1560 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: BC013512, AAH13512

RefSeq Size:	1905 bp
RefSeq ORF:	1560 bp
Locus ID:	59020
UniProt ID:	Q9JIL4
Cytogenetics:	3 F2.1
Gene Summary:	A scaffold protein that connects plasma membrane proteins and regulatory components, regulating their surface expression in epithelial cells apical domains. May be involved in the coordination of a diverse range of regulatory processes for ion transport and second messenger cascades. In complex with SLC9A3R1, may cluster proteins that are functionally dependent in a mutual fashion and modulate the trafficking and the activity of the associated membrane proteins. May play a role in the cellular mechanisms associated with multidrug resistance through its interaction with ABCC2 and PDZK1IP1. May potentiate the CFTR chloride channel activity (By similarity). Required for normal cell-surface expression of SCARB1. Plays a role in maintaining normal plasma cholesterol levels via its effects on SCARB1. Plays a role in the normal localization and function of the chloride-anion exchanger SLC26A6 to the plasma membrane in the brush border of the proximal tubule of the kidney. May be involved in the regulation of proximal tubular Na(+)-dependent inorganic phosphate cotransport therefore playing an important role in tubule function.[UniProtKB/Swiss-Prot Function]