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 SC331406

PDZK1 (NM_001201325) Human Untagged Clone

Product data:

Product Type: Expression Plasmids

Product Name: PDZK1 (NM_001201325) Human Untagged Clone

Tag: Tag Free

Symbol: PDZK1

Synonyms: CAP70; CLAMP; NHERF-3; NHERF3; PDZD1

Vector: pCMV6-Entry (PS100001)

Fully Sequenced ORF:

>SC331406 representing NM_001201325.
Blue=Insert sequence Red=Cloning site Green=Tag(s)

ATGACCTCCACCTTCAACCCCCGAGAATGTAAACTGTCCAAGCAAGAAGGGCAAAACTATGGCTTCTTC
CTGCGAATTGAGAAGGACACCGAGGGCCACCTGGTCCGGGTGGTTGAGAAGTGTAGCCCAGCAGAGAAG
GCTGGCCTTCAAGATGGAGACAGAGTTCTTAGGATCAATGGTGTCTTTGTGGACAAAGAAGAACATATG
CAGGTTGTGGATCTGGTCAGAAAGAGTGGGAATTCAGTGACTTTACTAGTTCTGGATGGGGATTCCTAT
GAGAAAGCAGTGAAAACACGGGTGGACTTGAAAGAGTTGGGTCAAAGTCAGAAGGAGCAAGGTTTGAGT
GATAATATACTTTCCCCTGTGATGAATGGAGGTGTGCAAACTTGGACCCAGCCCCGGCTCTGCTATCTC
GTGAAGGAAGGAGGCAGCTATGGCTTCTCTCTGAAAACTGTCCAAGGTAAAAAGGGGGTGTACATGACT
GATATTACACCTCAAGGTGTGGCTATGAGAGCTGGAGTTCTGGCTGATGATCACTTGATTGAAGTGAAT
GGAGAGAATGTAGAGGATGCCAGCCATGAGGAAGTGGTTGAAAAGGTGAAGAAGTCAGGAAGCCGTGTC
ATGTTCCTGCTGGTGGACAAAGAAACTGACAAGCGTCATGTTGAGCAGAAGATACAATTCAAAAGAGAA
ACAGCCAGTTTGAAACTGTTACCCCACCAGCCCCGAATTGTGGAGATGAAGAAAGGAAGCAATGGCTAT
GGTTTCTATCTGAGGGCAGGCTCAGAACAGAAAGGTCAAATCATCAAGGACATAGATTCTGGAAGTCCA
GCAGAGGAGGCTGGCTTGAAGAACAATGATCTGGTAGTTGCTGTCAACGGCGAGTCTGTGGAAACCCTG
GATCATGACAGTGTGGTAGAAATGATTAGAAAGGGTGGAGATCAGACTTCACTGTTGGTGGTAGACAAA
GAGACGGACAACATGTACAGACTGGCTCATTTTTCTCCATTTCTCTACTATCAAAGTCAAGAACTGCCC
AATGGCTCTGTCAAGGAGGCTCCAGCTCCTACTCCCACTTCTCTGGAAGTCTCAAGTCCACCAGATACT
ACAGAGGAAGTAGATCATAAGCCTAAACTCTGCAGGCTGGCTAAAGGTGAAAATGGCTATGGCTTTCAC
TTAAATGCGATTCGGGGTCTGCCAGGCTCATTCATCAAAGAGGTACAGAAGGGCGGTCCTGCTGACTTG
GCTGGGCTAGAGGATGAGGATGTCATCATTGAAGTGAATGGGGTGAATGTGCTAGATGAACCCTATGAG
AAGGTGGTGGATAGAATCCAGAGCAGTGGGAAGAATGTCACACTTCTAGTCTGTGGAAAGAAGGCCTAT
GATTATTTCCAAGCTAAGAAAATCCCTATTGTTTCCTCCCTGGCTGATCCACTTGACACCCCTCCAGAT
TCTAAAGAAGGAATAGTGGTGGAGTCAAACCATGACTCGCACATGGCAAAAGAACGGGCCCACAGTACA
GCCTCACATTCTTCTTCCAATTCTGAAGATACAGAGATGTGA

Restriction Sites: SgfI-MluI

ACCN: NM_001201325

Insert Size: 1560 bp

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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_001201325.1
RefSeq Size:	2230 bp
RefSeq ORF:	1560 bp
Locus ID:	5174
UniProt ID:	Q5T2W1
Cytogenetics:	1q21.1
MW:	57.1 kDa
Gene Summary:	This gene encodes a PDZ domain-containing scaffolding protein. PDZ domain-containing molecules bind to and mediate the subcellular localization of target proteins. The encoded protein mediates the localization of cell surface proteins and plays a critical role in cholesterol metabolism by regulating the HDL receptor, scavenger receptor class B type 1. Single nucleotide polymorphisms in this gene may be associated with metabolic syndrome, and overexpression of this gene may play a role in drug resistance of multiple myeloma. Pseudogenes of this gene are located on the long arm of chromosome 1. Alternatively spliced transcript variants encoding multiple isoforms have been observed for this gene. [provided by RefSeq, Jan 2011] Transcript Variant: This variant (2) differs in the 5' UTR, compared to variant 1. Variants 1 and 2 encode the same isoform (1). Sequence Note: This RefSeq record was created from transcript and genomic sequence data to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on transcript alignments.