

Product datasheet for **SC329615**

PDZK1 (NM_001201326) Human Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: PDZK1 (NM_001201326) Human Untagged Clone
Tag: Tag Free
Symbol: PDZK1
Synonyms: CAP70; CLAMP; NHERF-3; NHERF3; PDZD1
Vector: pCMV6-Entry (PS100001)
Fully Sequenced ORF: >SC329615 representing NM_001201326.
 Blue=Insert sequence Red=Cloning site Green=Tag(s)

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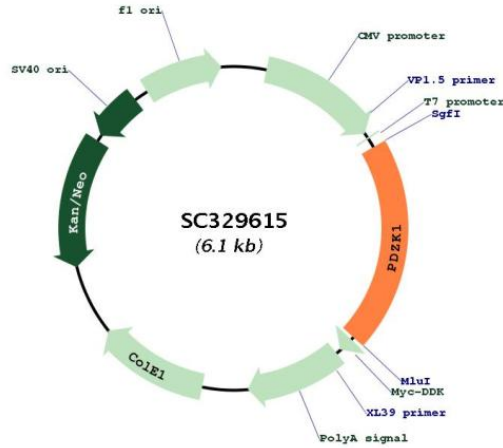
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GCTGGCCTTCAAGATGGAGACAGAGTCTTAGGATCAATGGTGTCTTTGTGGACAAAGAAGAACATAG
CAGGTTGGATCTGGTCAGAAAGAGTGGGAATTCAGTGACTTTACTAGTTCTGGATGGGGATTCCAT
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ACCCCTCCAGATTCTAAAGAAGGAATAGTGGTGGAGTCAAACCATGACTCGCACATGGCAAAGAACGG
GCCACAGTACAGCTCACATTCTTCCAATTCTGAAGATACAGAGATGTGA
  
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Restriction Sites: SgfI-MluI



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Plasmid Map:



ACCN: NM_001201326

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:

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_001201326.1](#)

RefSeq Size: 1897 bp

RefSeq ORF: 1227 bp

Locus ID: 5174
UniProt ID: [Q5T2W1](#)
Cytogenetics: 1q21.1
MW: 44.7 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 (3) differs in the 5' UTR and lacks two exons in the coding region, but maintains the reading frame, compared to variant 1. The encoded isoform (2) is shorter than 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.