

Product datasheet for **RC220008**

PDZK3 (PDZD2) (NM_178140) Human Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: PDZK3 (PDZD2) (NM_178140) Human Tagged ORF Clone
Tag: Myc-DDK
Symbol: PDZK3
Synonyms: AIPC; PAPIN; PDZK3; PIN1
Mammalian Cell Selection: Neomycin
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
ORF Nucleotide Sequence: >RC220008 representing NM_178140
 Red=Cloning site Blue=ORF Green=Tags(s)

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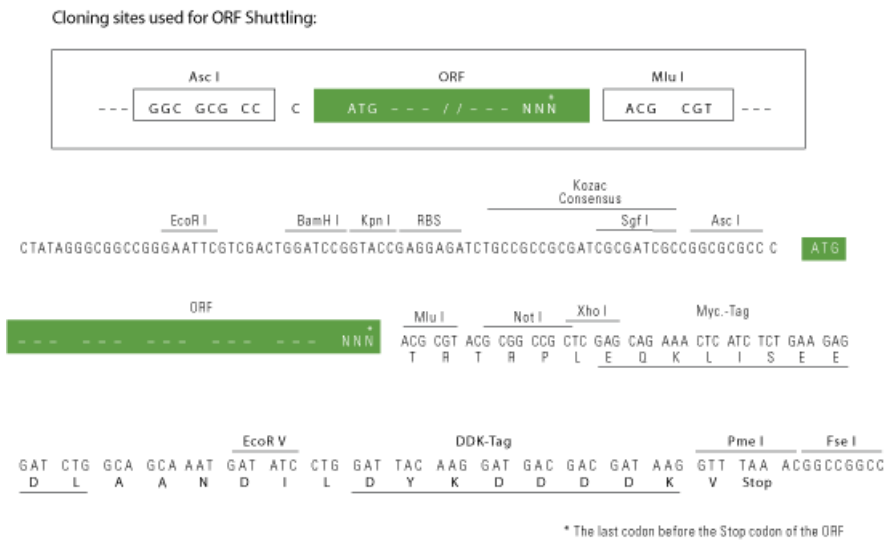
Protein Sequence: >RC220008 representing NM_178140
 Red=Cloning site Green=Tags(s)

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TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms: https://cdn.origene.com/chromatograms/mk8020_c10.zip

Restriction Sites: AscI-MluI

Cloning Scheme:


ACCN: NM_178140

ORF Size: 8517 bp

OTI Disclaimer: The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. [More info](#)

OTI Annotation: This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.

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.

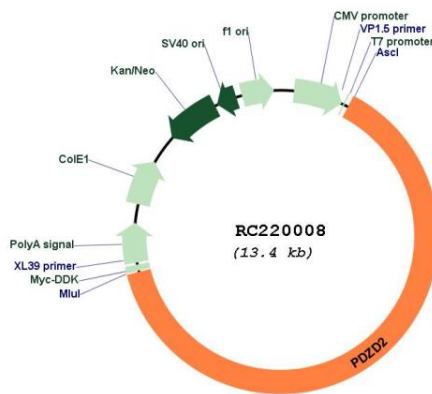
RefSeq: [NM_178140.1](#), [NP_835260.1](#)

RefSeq Size: 11705 bp

RefSeq ORF: 8520 bp

Locus ID: 23037
UniProt ID: [O15018](#)
Cytogenetics: 5p13.3
Protein Families: Druggable Genome
MW: 301.5 kDa
Gene Summary: The protein encoded by this gene contains six PDZ domains and shares sequence similarity with pro-interleukin-16 (pro-IL-16). Like pro-IL-16, the encoded protein localizes to the endoplasmic reticulum and is thought to be cleaved by a caspase to produce a secreted peptide containing two PDZ domains. In addition, this gene is upregulated in primary prostate tumors and may be involved in the early stages of prostate tumorigenesis. [provided by RefSeq, Dec 2015]

Product images:



Circular map for RC220008