

Product datasheet for **RC201049**

PDZD11 (NM_016484) Human Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: PDZD11 (NM_016484) Human Tagged ORF Clone
Tag: Myc-DDK
Symbol: PDZD11
Synonyms: AIPP1; PDZK11; PISP
Mammalian Cell Selection: Neomycin
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
ORF Nucleotide Sequence: >RC201049 ORF sequence
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGGATCGCC**

ATGGACAGCCGGATTCTTATGATGACTACCCGGTGGTTTTCTTGCCTGCCTATGAGAATCCTCCAGCAT
GGATTCTCTCATGAGAGGGTACACCACCCGGACTACAACAATGAGTTGACCCAGTTTCTGCCCGAAC
CATCACACTGAAGAAGCCTCCTGGAGCTCAGTTGGGATTAACATCCGAGGAGGAAAGGCCTCCCAGCTA
GGCATCTTCATCTCCAAGGTGATTCCTGACTCTGATGCACATAGAGCAGGACTGCAGGAAGGGGACCAAG
TTCTAGCTGTGAATGATGTGGATTTCCAAGATATTGAGCACAGCAAGGCTGTTGAGATCCTGAAGACAGC
TCGTGAAATCAGCATGCGTGTGCCTTCTTCCCTACAATTATCATCGCCAAAAAGAGAGGACTGTGCAC

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >RC201049 protein sequence
Red=Cloning site Green=Tags(s)
MDSRIPYDDYPVVFLPAYENPPAWIPPHERVHHPDYNNELTQFLPRTITLKKPPGAQLGFNIRGGKASQL
GIFISKVIPDSDAHRAGLQEGDQVLAVNDVDFQDIEHSCAVEILKTAREISMRVRFPPYNYHRQKERTVH

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms: https://cdn.origene.com/chromatograms/mk6052_a07.zip

Restriction Sites: SgfI-MluI



[View online »](#)

Cloning Scheme:


ACCN: NM_016484

ORF Size: 420 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_016484.5](#)

RefSeq Size: 1246 bp

RefSeq ORF: 423 bp

Locus ID: 51248

UniProt ID: [Q5EBL8](#)

Cytogenetics: Xq13.1

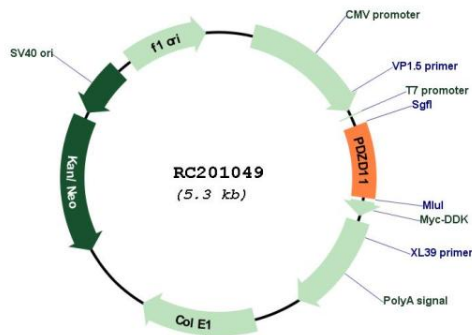
Domains: PDZ

Protein Families: Secreted Protein

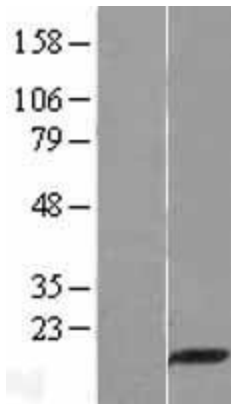
MW: 16.1 kDa

Gene Summary: Mediates docking of ADAM10 to zonula adherens by interacting with PLEKHA7 which is required for PLEKHA7 to interact with the ADAM10-binding protein TSPAN33. [UniProtKB/Swiss-Prot Function]

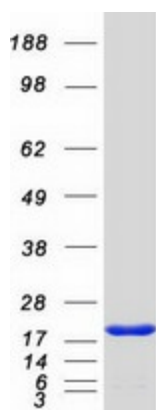
Product images:



Circular map for RC201049



Western blot validation of overexpression lysate (Cat# [LY413926]) using anti-DDK antibody (Cat# [TA50011-100]). Left: Cell lysates from untransfected HEK293T cells; Right: Cell lysates from HEK293T cells transfected with RC201049 using transfection reagent MegaTran 2.0 (Cat# [TT210002]).



Coomassie blue staining of purified PDZD11 protein (Cat# [TP301049]). The protein was produced from HEK293T cells transfected with PDZD11 cDNA clone (Cat# RC201049) using MegaTran 2.0 (Cat# [TT210002]).