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Product datasheet for RC224700

PDZD4 (NM_032512) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	PDZD4 (NM_032512) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	PDZD4
Synonyms:	LNX5; LU1; PDZK4; PDZRN4L
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)

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ORF Nucleotide Sequence:

>RC224700 representing NM_032512
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGGGATGTAATATGTGCGTGGTCCAGAAACCGGAGGAGCAGTACAAAGTGATGCTGCAGGTGAACGGGA
AGGAGCTCTCCAAGCTGTCTCAGGAGCAAACTCTGCAGGCCCTGCGCTCCTCCAAGGAGCCCCTGGTGAT
CCAGGTGCTGAGACGCAGCCCCCGCCTCCGGGGGGACAGCTCCTGTCACGACCTGCAGCTGGTGGACAGT
GGCACTCAGACCGACATCACCTTCGAGCATATCATGGCGCTGGGCAAGCTGCGTCCGCCCACCCCGCCCA
TGGTCATCCTGGAGCCCCCCCCAATCAGCCATGAGTATTATGACCCGGCGGAGTTTATGGAGGGCGGCCC
GCAGGAGGCAGACCGCTTGGATGAGCTGGAGTATGAGGAGGTGGAGCTGTATAAAAGCAGCCACCGGGAC
AAGCTGGGCCTGATGGTTTGCTACCGCACGGACGACGAGGAGGACCTGGGCATTTATGTCGGAGAGGTAA
ATCCCAACAGCATTGCAGCCAAAGACGGCCGGATCCGTGAGGGAGACCGCATCATCCAGATTAACGGTGT
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TTGGCTCTGAGAATGAGGGGGAGCTGCGTGCTCGTAAACTGAAATCACCCCCTGCCCAGCAGCCCGGAAA
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GCTCCACCAACACCCCGGGAAGCCTGCGCAAGTTTGGCCTGCAAGGGGACGCCCTGCAGAGCCGGGACTT
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GATGAGGAGTATGAGCGCTACCGTGAGCTCCTGGAGATCAAGTGCCACCTGGAGAACGGCAACCAGCTGG
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AGCCGGCTGGAGTGCCTGCGGGAGCAGCAGAATGGCGACAGCAAGCCCGAGCTCAACATCATTGCCCTGA
GCCACCGCAAAACCATGAAGAAGCGGAACAAGAAGATCCTGGACAACTGGATCACCATCCAGGAGATGCT
GGCCCACGGCGCGCGCTCCGCCGATGGCAAGCGGGTCTACAACCCTCTTCTCTCAGTCACCACCGTG

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

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Protein Sequence:

>RC224700 representing NM_032512
Red=Cloning site Green=Tags(s)

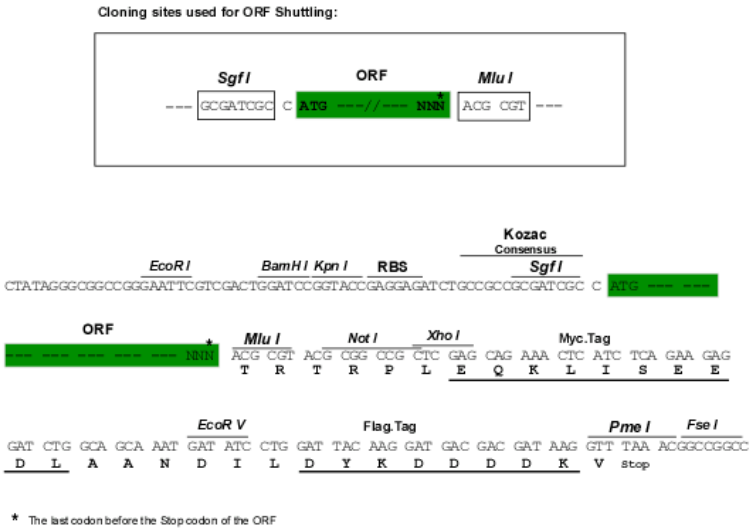
MGCNMCVVQKPEEQYKVMLQVNGKELSKLSQEQTLQALRSSKEPLVIQVLRRSPRLRGDSSCHDLQLVDS
GTQTDITFEHIMALGKLRPPTPPMVILEPPPISHEYYDPAEFMEGGPQEADRLDELEYEEVELYKSSHRD
KLGLMVCYRTDDEEDLGIYVGEVNPNSIAAKDGRIREGDRIIQINGVDVQNREEAVAILSQEENTNISLL
VARPESQLAKRWKDSDRDDFLDDFGSENEGELRARKLKSPPAQQPGNEEEKGAPDAGPGLSNSQELDSGV
GRTDESTRNEESSEHDLLGDEPPSSTNTPGSLRKFGLQGDALQSRDFHFSMDSLLAEGAGLGGGDVPGLT
DEEYERYRELLEIKCHLENGNQLGLLFPRASGGNSALDVNRNESLGHEMAMLEEELRHLEFKCRNILRAQ
KMQQLRERCMKAWLLEEESLYDLAASEPKKHELSDISELPEKSDKDSTSAYNTGESCRSTPLLVEPLPES
PLRRAMAGNSNLNRTPPGPAVATPAKAAPPPGSPAKFRSLSRDPEAGRRQHAEERGRRNPKTGLTLERVG
PESSPYLSRRHRGQGQEGEHYHSCVQLAPTRGLEELGHGPLSLAGGPRVGGVAAAATEAPRMEWKVKVRS
DGTRYVAKRPVRDRLLKARALKIREERSGMTTDDDAVSEMKMGRYWSKEERKQHLIRAREQRKRREFMMQ
SRLECLREQQNGDSKPELNIIALSHRKTMKKRNKKILDNWITIQEMLAHGARSADGKRVYNPLLSVTTV

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms: https://cdn.origene.com/chromatograms/mk8045_d05.zip

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_032512

ORF Size: 2307 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.

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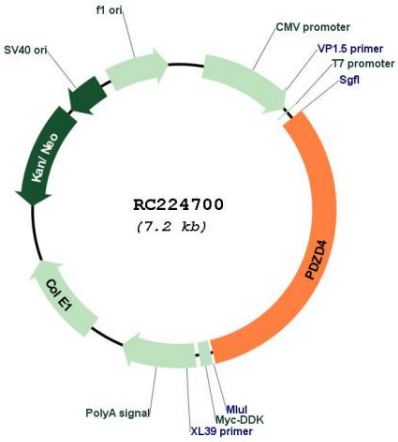
Components:	The ORF clone is ion-exchange column purified and shipped in a 2D barcoded Matrix tube containing 10ug of transfection-ready, dried plasmid DNA (reconstitute with 100 ul of water).
Reconstitution Method:	1. Centrifuge at 5,000xg for 5min. 2. Carefully open the tube and add 100ul of sterile 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.
Note:	Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.
RefSeq:	NM_032512.5
RefSeq Size:	3745 bp
RefSeq ORF:	2310 bp
Locus ID:	57595
UniProt ID:	Q76G19
Cytogenetics:	Xq28
MW:	86 kDa

Product images:



Circular map for RC224700

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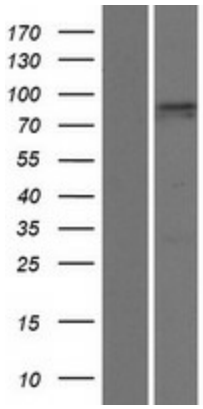

Western blot validation of overexpression lysate (Cat# [LY410087]) using anti-DDK antibody (Cat# [TA50011-100]). Left: Cell lysates from un-transfected HEK293T cells; Right: Cell lysates from HEK293T cells transfected with RC224700 using transfection reagent MegaTran 2.0 (Cat# [TT210002]).

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