

Product datasheet for MR231473

Palld (NM_001293773) Mouse Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Palld (NM_001293773) Mouse Tagged ORF Clone
Tag: Myc-DDK
Symbol: Palld
Synonyms: 2410003B16Rik; 6030492A02
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
ORF Nucleotide Sequence: >MR231473 representing NM_001293773
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGGATCGCC**

ATGCCACAAGCTCAGAAGAAAACAACGTCGGTTTCCTTAACGATAGGATCCTCAGCTCCGAAAACAGGAG
TGACCACAGCTGTGATTCAGCCCTATCTGTGCCCGTCCAACAGGCTCACAGCGCTACTTCATATCTCTG
CCGACCTGACGGAACCACCATGGGCTGCCTTCTCCTGTTTTACTAAGGAACTACAGAACACAGCAGCC
TCCGAGGGCCAGGTGGTGGTGTGGAATGCAGAGTCCGAGGGGCACCCCGCTGCAGGTCCAGTGGTTCC
GGCAAGGAAGTGAGATCCAAGACTCTCCGACTTCAGAATTCTCCAGAAAAAACCCAGATCGACAGCTGA
ACCCGAGGAGATCTGCACCCTTGTCAATGCTGAGAGTTTCCCTGAAGATGCAGGCATCTTACCTGCTCA
GCCACAAATGACTACGGCTCAGTGACCAGCACTGCACAGCTTGTATAACCTCCGCCAACACGAGAAT
GTAGTTACGACTCAACAGGAGAACCAACAGTGATCACTTCCAACACTTCCACCTCCCCCTCCGATCCT
GGAGACAGGCTCCTATGAGCTGGCATCCAGAAACCATCTGAAATCCAGCAGGTGAACAGCCCCAATTTA
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GCCATGGAGTCAACGGGCTGATTAATGGCAAAGCTTATGGCAATAAATCTCCTCCAACACCAACTGCCCT
GCTTTCACCCACTAAGGAACACCGCACTCCTTGCCAAACCCAACTGGATCCTCTGAAGCTTCAGCAG
CTGCAGAACCAAGTGCGCCTGGAACAGGAGGCTGCGCCTGGCCCCAGGCCCCAGGTGTCCCTTGCA
ACAGCAGCAGCAGCGGCAGCAGCGCCCGTCCGCGCCCTTCCCCCACCGCCACCAGCCTTCCGGGA
GCTCGGGCCTGTGCGTCGCGGTGCCCTCGGAGCCCATGAGCGCTCTGGCCTCCCGCGCTACCGCCATG
CAGTCTCCGGCTCCTTCAACTACGCGGCCCTAAGCAGTTCATCGCGGCGCAGAACCTGGGTCCCGCAT
CGGGGCTGCCACGCCAACCTCCAGCCCCAGCTCCTCCAGCTTGGCGTACCATTGTCCCCACGCCAG
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GACGCCCGCAGCCTTCTCAGCGCCTGCTGCCCTCTCAGCCACCGCCTGTGCGTGTCAACGCCCTGGGG
CTGCCAAGGGAGTACCCCCGCGGGTCCCAAAGAAGTCCAGTAGAACTGCTAGAATTGCCTCTGATG



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AGGAGATTCAAGGCACAAAGGATGCTGTTCATCCAAGACCTGGAACGGAAGCTTCGCTTCAAGGAGGACCT
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GGTCGCGTCAGTTGTACAGGAAGGCTAATGGTACAGGCTGTCAACCAAAGAGGCCGAGTCCCGCTCTC
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ACGCGTACGCGGCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>MR231473 representing NM_001293773
Red=Cloning site Green=Tags(s)

MPQAQKKTTSVSLTIGSSAPKTGVTTAVIQPLSVPVQQAHSATSYLCPDGTMGCLLPVFTKELQNTAA
SEGQVVVLECRVRGAPPLQVQWFRQGEIQDSPDFRILQKKPRSTAEPEEICTLVIAESFPEDAGIFTCS
ATNDYGSVTSTAQLVITSANNENCYDSTGEPNSDHFQHFPPPPPILETGSYELASQKPEIQVNSPNL
GFSMAALQMQFNTERETNGVHPHSHGVNGLINGKAYGNKSPPTPTALLSPTKEPPPLAKPKLDPLKQQ
LQNQVRLQEACAWPPAPPVPCNSSSSGSSAPSPFPFPPPPAFPELAACASVPVSEPMSALASRATAM
QSSGSFNARPKQFIAAQNLPASGLPTPTSSPSSSLPSPLSPTPRPFGRAPGPPFVEPEAMWGPSSPS
PPPPPPVFSASAAYVPDVFPLPPPPPLPSSTSHCASPARFGPSQTPAAFLSALLPSQPPVAVNALG
LPKGVTPAGFPKKSRTARIASDEEIQTKDAVIQDLERKLRFKEDLLNNGQPRLYEERMARRLLGADS
ANVFNIEPEETAANQEYKVSSCEQRLISEIEYRLERSPVDESGDEVQDPDVPVENATAPFFEMKPKHYK
IFEGMPVTFTRVAGNPKPKIYWFKDGKQISPKSDHYTIQRDLGTCSLHTTASTLDDDGNYTIMAANPQ
GRVSGTGRMLVQAVNQGRSPRSPSGHPHARRPRSRSDSGDENEPQERFFRPHFLQAPGDLTVQEGKL
CRMDCKVSGLPTPDL SWQLDGKPIRPSAHKMLVRENGVHSLIIEPVTSRDAGIYTCIATNRAGQNSFNL
ELVVAAKEAHKAPVFMKELQNTGVADGYPVRLVCRVSGVPPQIFWKKENESLTHSTERSVMHQDNHGYI
CLLIQGATKEDAGWYTVSAKNEAGIVSCTARLDVYTQWHQPPQTTKPKKVRPSASRYAALSDQGLDIKAA
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TRTRPLEQKLI SEEDLAANDILDYKDDDDKV

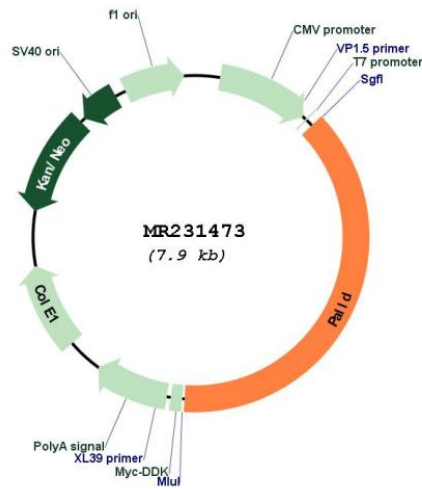
Restriction Sites:

Sgfl-Mlul

Cloning Scheme:



Plasmid Map:



ACCN: NM_001293773
 ORF Size: 3006 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:	<ol style="list-style-type: none">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_001293773.2
RefSeq Size:	5458 bp
RefSeq ORF:	3009 bp
Locus ID:	72333
Cytogenetics:	8 B3.1
MW:	108.7 kDa
Gene Summary:	Cytoskeletal protein required for organization of normal actin cytoskeleton. Roles in establishing cell morphology, motility, cell adhesion and cell-extracellular matrix interactions in a variety of cell types. May function as a scaffolding molecule with the potential to influence both actin polymerization and the assembly of existing actin filaments into higher-order arrays. Binds to proteins that bind to either monomeric or filamentous actin. Localizes at sites where active actin remodeling takes place, such as lamellipodia and membrane ruffles. Different isoforms may have functional differences. Involved in the control of morphological and cytoskeletal changes associated with dendritic cell maturation. Involved in targeting ACTN to specific May be required for the initiation of neural tube closure.[UniProtKB/Swiss-Prot Function]