

Product datasheet for **MC228608**

Palld (NM_001293774) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Palld (NM_001293774) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Palld
Synonyms:	2410003B16Rik; 6030492A02
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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Fully Sequenced ORF: >MC228608 representing NM_001293774
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGAGCGCTCTGGCTCCCGCGCTACCGCCATGCAGTCTCCGGCTCCTTCAACTACGCGCGCCCTAAGC
 AGTTCATCGCGGCGCAGAACCTGGGTCCCGCATCGGGGCTGCCACGCCAACCTCCAGCCCCAGCTCCTC
 CAGCTTGCCGTCACCAATTGTCCCCACGCCAGGCCCTTCGGCCGCGCGCCCGGGCCGCCCTTCGTGGAA
 CCCGAGGCCATGTGGGGCCGCTCTCGCCCTCGCCGCCACCGCCGCCACCTCCGGTCTTCAGCCCCCTCTG
 CAGCTACCCGGTGCCCGACGTGTTCCCACTGCCACCGCCGCCGCCACCGCTACCTAGCTCCACCTCACA
 CTGCGCTCGCCCGCCGCTTCGGCCCCAGCCAGACGCCCGCCGAGCCTTCTCAGCGCCCTGCTGCCCTCT
 CAGCCACCGCCTGTCGCTGTCAACGCCCTGGGGTGCCCAAGGGAGTCAACCCCGGGGTTCCCAAAGA
 AGTCCAGTAGAACTGCTAGAATTGCCTCTGATGAGGAGATTCAAGGCACAAAGGATGCTGTCATCCAAGA
 CCTGGAACGGAAGCTTCGCTTCAAGGAGACCTTCTGAACAATGGCCAACCGAGGCTAACCTATGAGGAA
 AGAATGGCTCGCGCCTGCTTGGAGCCGACAGCGCAAACGTCTTCAACATCCAGGAGCCAGAGGAAACGG
 CAGCCAATCAGGAGTACAAAGTCTCTAGCTGCGAGCAGAGGCTGATTAGCGAGATTGAGTACCGGTGGA
 GCGCTCCCTGTGGATGAGTCGGGAGACGAGGTGCAGGATCCAGATGTGCCTGTGGAGAACGCAACAGCT
 CCCTTCTTTGAGATGAAGCTGAAACACTACAAGATCTTTGAGGGGATGCCGGTACTTTCACGTGTCGAG
 TGGCTGGGAATCCAAAGCCAAAGATCTATTGGTTAAAGATGGGAAGCAGATTTCTCCGAAGAGCGATCA
 CTACACCATTCAGAGACCTTGATGGGACCTGCTCTCTCCACACCACGGCCTTACCCTAGACGACGAT
 GGAACACACCATCATGGCTGCCAACCTCAGGGTCGCGTCAGTTGTACAGGAAGGCTAATGGTACAGG
 CTGTCAACCAAAGAGGCCGAGTCCCGCTCTCCCTCAGGCCATCCTCATGCCAGAAGGCCCTCGCTCTCG
 ATCACGGGACAGTGGAGATGAAAACGAGCCCATTCAGGAGCGATTCTTCAGACCTCACTTCTGCAGGCT
 CCTGGAGACCTGACCGTTAGGAAGCAAGCTCTGCAGGATGGACTGCAAGGTCAGTGGGTACCAACCC
 CAGATCTCAGCTGGCAACTAGATGGAAAGCCATACGCCCGACAGTGTCAACAAGTGTGGTCCGTGA
 GAATGGGGTCCACTCCCTCATTATAGAGCCAGTCACGTCCCGGGACGCCGCATCTACACATGATTGCC
 ACCAACAGAGCAGGACAGAACTCGTTTAACTGGAGCTTGTGGTTGCTGCTAAGGAAGCACACAAGGCC
 CTGTGTTTATGGAGAAGCTACAGAACACGGGGTGTGCTGATGGATACCCAGTGGCGTGGAAATGCCGTGT
 CTCGGGAGTGCCGCCACCTCAGATATTTTGAAGAAAAGAAAATGAATCGCTCACTCACAGCACTGAGCGA
 GTAAGCATGCACCAGGATAATCATGGCTACATCTGCCTGCTCATCCAGGAGCCACAAGGAAGACGCTG
 GGTGTTACTGTGTCCGCCAAGAACGAAGCAGGCATTGTGTCCTGCACTGCCCGCTGGATGTCTACAC
 CAGTGGCACCAGCAGCCACAGACCACCAAGCCAAAAAAGTACGGCCCTCGGCCAGTTCGCTACGCAGCA
 CTTTCGGACCAGGGACTAGACATCAAAGCCGCTTCCAACCTGAAGCCAGCCATCTCACCTGACTCTGA
 ACAGCGGCTTGGTAGAAAGTGAAGACCT**TGA**

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: Sgfl-MluI

ACCN: NM_001293774

Insert Size: 1992 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).

OTI Annotation: Clone contains native stop codon, and expresses the complete ORF without any c-terminal tag.

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:	<u>NM_001293774.1</u> , <u>NP_001280703.1</u>
RefSeq Size:	4224 bp
RefSeq ORF:	1992 bp
Locus ID:	72333
UniProt ID:	<u>Q9ET54</u>
Cytogenetics:	8 B3.1
Gene Summary:	<p>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]</p> <p>Transcript Variant: This variant (3) differs in the 5' UTR and coding sequence and lacks an alternate in-frame exon compared to variant 1. The resulting isoform (3) is shorter at the N-terminus and lacks an alternate internal segment compared to 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.</p>