

Product datasheet for **MC222589**

Pidd1 (NM_022654) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Pidd1 (NM_022654) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Pidd1
Synonyms:	1200011D09Rik; AU042446; Lrdd; Pidd
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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Fully Sequenced ORF:

>MC222589 representing NM_022654

Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGCATCGCC**

ATGGCTGCAGTGTGGAGGGGCAGGAGCCGGAGAACTGCAGCTGCTGCAGAGGATGCTGCAACATCCA
CCTTGGAGGCTGTGGATGCCGGGCTGGAGCACCTTTCTCCCGCTGGGAACCAAGTTGAACTTGGACCT
ACGCCACAGGGGGCTGCCATCGGCTACAGTACCTGTGTTCCAGCAGCCCCACAGCTGCTGCAAGTGGAG
TTTTTGCGGCTCAGCACCCATGAGGACCCTCAGCTGCTGGATGACACCCTAGCCAAGTTCCGTGGAGTC
TGCTGCGCCTTCGCTCCCTGGTCTCAAAGGTGGCCAGAGCCGGGGTGCCTGGGTGCCTGCCTCCATGG
AACCTGACCACTCTGCCTGCTGGCCTGAGTGATTTGGCCTGCCTGGCTCACCTAGACCTGAGCTTCAAC
AGGCTGGAGACGCTGCCTACCTGTGTCCCGAACTGCACGGCCTGGATGCGTTGTGCTTTCTCACAAAC
ATCTCTCAGAGCTGCCCGAGGCCCTGGGGCAGTCCCGCCCTTACCTTCTCACCGTGACACACAACCG
CCTAGAAAAGACTACCCCTAACACTCGGGTCCCTGTCCACCCTCAGCGTCTCGATCTCTCTGAGAACCTT
CTAGACACCATAACCTCTGAGATTGGAAACCTGCGCAGCCTCAGTGAGCTCAATCTGGCCTCCAACCGGC
TGCAGAGTCTCCAGCTTCCCTCGCGGGCTGCGGTCCCTGCGGGCTCCTGTTCTGCACAGCAACCTCCT
GACCTCAGTGCCCACTGGCCTGGTCCACCTGCCACTGATCACTCGGCTTGACCTGAGGGACAACCGGCTC
CGAGACCTGCCTGCTGAGTTACTAGACGCTCCCTTTGTGCGCCTGCAGGGGAACCTCTGGGCGAGGCCCT
CTCCAGCACCCCAAGTCCCGCAGACATATCCAGGTTCCAGAAATGCCAGGCTATTGTGACCTCAGA
TTTGGACAGCTTCTTGTGACTCCCATGGCTGTTCTGTGACCCTGGCCTGTGGTGTCCGCTACAGTTT
CCAGCAGGAGCCACCACCGCCTGTCAACCTCACTATCGACTCTGGTTGCCCGAGCCAGGCTTCCGCT
CTCTGGACCTCATGACTTCTGCTTGTAGTGTCTGGAGCTGCAGCCCATGGGGTGGCTTTCCGCA
AGATGTGAGCTTATGGCTGCTCTTTGTCCCTCCACGAGTCCGTCGCTGTGCTGAGGTAGTTGTGAGGACA
CGGAGTAACAACCTGGAATGACCTAGAGACCAACTGGAGGAAGAGGCACCAAGAGGCTCTGGGCTC
GCTGCCAGGTGCCCACTTCTCCTGGTTCTGGTGTGTTTACGCCAGTATCCAACACTTGCCTTTTGGC
ACCAGAGGGAGCACTTCTGCTCCTCAGGTATCCTGGGGTGCAGAGTCACTTTTCCCTTGGGTTTACA
GAAGAGCCTCGGCAAGTCTCCATGCAGGTAGTGCATATGGCTGGACTAGAGCTGAGAACCCTTCTGGAAG
AATCAGAGGCATCAGTAAGCCCTCTGCTGTGCCTTTCACAGAGCGGCCCCCGAGCTTCTACAACCTGT
CACTGTGAGTTGCCCTGCCTCCTGGCGTTACAGGCTTCACTAGACCCTCCACCTGCATCTGCTC
TACCGAACCCCTGACAACCACCTGGGATGATATCACCCTCAGGTGGCACTGGAATTCACCCACCTGT
ATGCACGCTTCCAGGTACGCACCTTCTCCTGGTACTGGCTCTGGTATACCAACAAACCTGTGTGGGGG
CCTGGCCCGGAAGGCTGGGAACGGCTGCGACTGCACCCTGTGAATCTCATTGCACTGCAGAGGCGCCGA
GACCTGAGCAGGTTCTGCTGCAGTGCCTGCCACGGAACAAGGTAGATGCCACCCTGAGTCGGCTGCTGG
TTCGCTACCGTGGCCCTGAACCTCTGAGACTGTGGAGATGTTTGGGGTGAAGTTCTTTGCAGCCTT
TGAGCGGGGCAATTGATGTAGATGCAGACCGTCCAGACTGTGTGGATGGCAGAATCTGCTTTGTCTTCTAT
TCACACCTGAAGAACGTAAGGAGGTATACATCACCACAGCCTTGACCGGGAAGCTCAGGATGTTTCGAG
GACAGGTGTCCTTTATCGGGGTTCACTTCTGTGGAGGTACCTGCAGAGGCAGAGGCTGCCCGCAGAG
GAAGGTTACAGATGCAGTGTGGATGGCCACCTTGCCCATCAAGCTACCGAGACTCCGGGGTGCCAGGGG
AGTGGGCAGGGGACTGACTTCTCCTTGTGCTCTGAACCTGGGTGATGCAGAACTGGATTCTGACTC
AGAGCAACCTGCTGAGTGTGCCTCAGCCTAGGTCTGACTGGCCAGCTGTGGCCTGCACCTAGGCAT
GCCCTACCATAAGCTACAGCGTATCCGGCATGAATTCAGGGATGACCTGGATGGCCAGGTCGACACATG
CTCTTCTCTTGGGCTGAGCGCCAGACTGGACAGCCTGGAGCTGTGGGACACCTGGTACAGGCCTTGAAC
AGAGTGATCGGCGGGATGTGGCTGAAGAGGTGCGTGCCATCTTGGAGCTTGGCCGCCACAAGTACCAGGA
CAGCATTGCAGCACAGGGCTGGCCCTGAGGATTCTACTCTGCCTGGCACCTCGGCTTCACAGACTCCA
GAGTCTGCACAGGCT**AG**

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites:

SgfI-MluI

ACCN:	NM_022654
Insert Size:	2748 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).
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_022654.1 , NP_073145.1
RefSeq Size:	2900 bp
RefSeq ORF:	2748 bp
Locus ID:	57913
UniProt ID:	Q9ERV7
Cytogenetics:	7 F5
Gene Summary:	<p>Component of the DNA damage/stress response pathway that functions downstream of p53/TP53 and can either promote cell survival or apoptosis (PubMed:10973264). Associated with CRADD and the CASP2 caspase, it forms the PIDDosome a complex that activates CASP2 and triggers apoptosis. Associated with IKBKG and RIPK1, it enhances sumoylation and ubiquitination of IKBKG which is important for activation of the transcription factor NF-kappa-B (By similarity).[UniProtKB/Swiss-Prot Function]</p> <p>Transcript Variant: This variant (1) encodes the longer isoform (a). Sequence Note: The RefSeq transcript and protein were derived from genomic sequence to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on alignments.</p>