

Product datasheet for **RR205483**

Pdilt (NM_001013902) Rat Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Pdilt (NM_001013902) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Pdilt
Synonyms:	RGD1307822
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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ORF Nucleotide Sequence:

>RR205483 representing NM_001013902
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGGAAGTCTCTGGACACCTTTGCTGCTGCTGGCTGCTTGCCTCTCAGAGGTCCTTGGCTCACCAGAGA
 TGGACACCGGCATCAACATTTCCAGCCTTTGCACATCCTGGAGGATCATAACTTAATGGTGTGACTCC
 TGCAGGCTTGACGCAGACACTGAATGAGACCCGCTTCTAATGGTGATTTCCACAAATCCAACCTTAAAA
 CAGTCCAGGAAGCTGGCCAAGGAGCTGGGCAAAGCTGCGGAGATCTTTGGGAAGGCAAGAATGGCTTGG
 GCTTTGGCAAAGTGGACATCACCATGGAGACGGAGCTTAAGCAGGAGTTTACATCACCCATGCCCGGA
 GTTGAAGCTGTTTTATGAGGGCAACAGGTTAGAACCATCAGCTGCAAAGATGTGGTTGAATCAACAGCT
 TTGGTTGTTTGGTTGAGAAGACAAATTAGCAAGAAAGCCCTTTTGTTCACAACAGCAACGAAGTGGCCG
 ATTTTGTGAAATCCAGGCCCTGGTCATCGTTGGCTTCTCCAGGATTTAGAGGAAGAAGTGGCAGAATT
 GTTTTATGACACCATCAAGGACTTCCAGAATAACGTTTGGAGCAATACAAATAAAAAATTCATTTGGG
 CGATTCACAGTGATCCTTGACAGCGTCTGTATTTAAAAAGGGGAGAGTTGTGAAACGTCGAAGCTTA
 TTAACGACAGTACAAACAAGACTATCTCAATCAAGTCATAAAGCAACAGCTCACGGTTTTGTGATTGA
 ATTC AACCTGAGAATAAGGACCTGATTTATGAGATGAACATCTTAAATCACATGTTGCTCTTTATCTCC
 AAAAAGTCCAGAGCCATACAGCACCATAATCCGGCATTACAGACAAATTTCAAAGGAATCCAGAACAAGA
 TTCTTTTCGTCCTTGTGAATTCGGATGAACCTAAAAACAACGCATCTTTGAGTACTTCCAGATCTCAAG
 AGTCAATGTCCCCTCTGTTCAAATCCTGAACTTAAGCTCTGATGCCAGGTACAAAATGCCACGGATAAT
 ATAACCTTTGAAAGCCTCAAGAAATCTGCAATAGCTTCTCAGCAGAAGTCCAAAGAAACACAAATCCA
 GTGAAGAGATCCAAAAATTGGGACCAAGAGCCAGTTAAGAAGCTCGTGGGAAAGAATCAATGTGGT
 TGTCTTTGATAAAGGAGAAGGATGTGTTTGTGATGTTCTATGCACCCTGGTCTGAGAAGTGCAGGGTGCTA
 TTACCCTTCTGGAAGAGCTGGGTATAAAGTATCAAAACCACTCCACAGTCATCATCGCCAAGATTGACA
 TAACAGCAAATGACATTCAGCTGGCGAACCAGAACAGTACCCATTCTTCCGGCTTTTCCCTACTGATTC
 GCAAGAGGCTGTCATGTATAAAGGAGAGCACACCATGAAGGGCTTTTGTGACTTCTGGAAGTCAATGTC
 AAGGTTAGGATTGAGGAAGATGATGAGCTATTGTACATTGAGCAAAATGAAGTGGCAGAGGAGGAAGTGT
 TAGCTGAGCCAGAGATGCAGCACATAGACAAGTTCCTGAGAAGCCGCTCTCAAGGTAGAAGACACAAG
 CAAACAAGACAGGCCAGCCAAAGAGTCTCTGCGCTGGGCAAGTATAAGCCAGCCAGAGGAGCTGGAGAGA
 AGGAAGGAAACGGCTGAGAAGGAGAAGAAAGTGGCTCAGCCAAAGGAACGCCAAAACAGAGAGAAAAC
 TGGATATCAAAGAAGAACTT

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>RR205483 representing NM_001013902
 Red=Cloning site Green=Tags(s)

MELLWTPLLLLAAACLSEVLGSPMDTGINISQPLHILEDHNLMLVTPAGLTQTLNETRFLMVFHNP TLK
 QSRKLAKELGKAAEIFGKGKNGLFGKVDITMETELKQEFDITHAPELKL FYEGNRLEPISCKDVVESTA
 LVVWLRRIQSKKALLFNNSNEVADFVKSRLVIVGFFQDLEEEVAELFYDTIKDFPELTFGAIQIKNSFG
 RFHVILDSVLVFKKGRVVKRQELINDSTNKDYLNQVVIKQQLTGFVIEFNPENKDLIYEMNILNHMLLFIS
 KNSEPYSTIIRHYRQISKEFQNKILFVLVNSDEPKNKRIFEYFQISRVNVPSVQILNLSSDARYKMPTDN
 ITFESLKKFCNSFLSRTAKKHKSSSEIPKYWDQEPVKKLVGKNFNVVFDKEKDFVMFYAPWSEKCRVL
 LPLLEELGIKYQNHSTVIAKIDITANDIQLANPEQYFFRLFPTDSQEAVMYKGEHTMKGFCDFLESHV
 KVRIEEDELLEYIEQNEVAEEVLAEPMQHIDKLEPKPLKVEDTSKQDRPAKESPALGSIQPEELER
 RKETAKEKQKVAQPKEQPKPERKLDIKEEL

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

SgfI-MluI

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_001013902.1 , NP_001013924.1
RefSeq Size:	2154 bp
RefSeq ORF:	1773 bp
Locus ID:	293544
UniProt ID:	Q5XI02
Cytogenetics:	1q35
MW:	68.3 kDa
Gene Summary:	Probable redox-inactive chaperone involved in spermatogenesis.[UniProtKB/Swiss-Prot Function]