

Product datasheet for **RR208625**

Pdc (NM_012872) Rat Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Pdc (NM_012872) Rat Tagged ORF Clone
Tag: Myc-DDK
Symbol: Pdc
Synonyms: 33DPTP; MEKA; Rpr1
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
ORF Nucleotide Sequence: >RR208625 representing NM_012872
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGAAGAAGCCGAAGCCAAAGCTTAGAGGAAGATTTGAAGGACAGGCCACACACAGGACCCAAAG
GAGTAATAAATGACTGGAGAAAGTTAAATTAGAAAGTGAAGATGGTATTCAATCCACCCAGCAAGAA
GGAGATCCTCAGACAAATGTCCTCTCCTCAGAGCAGAGATGACAAAGACTCGAAAGAAAGAAATGAGCAGA
AAGATGAGCATTCAAGAAATATGAACTAATTCATCAGGACAAAGAAGATGAAGTTGCCTTCGCAAATACC
GCAGACAGTGCATGCAGGATATGCATCAGAAGCTGAGCTTTGGCCTAGGTATGGGTTTGTGTATGAGCT
GGAAACAGGGGAGCAATTCCTGGAAACCATCGAAAAGGAGCAGAAGGTCACCACCATCGTGGTTAACATT
TACGAGGATGGTGTGAGGGGCTGTGACGCACTCAACAGCAGTTTAGAATGCCTTGACGAGAGTACCCAA
TGGTCAAGTTCTGTAATAAAGAGCTTCGAATACTGGAGCTGGGACCGCTTTTCCTCAGACGTAATCCC
GACATTGCTCATATACAAAGGTGGGAGCTCATAAGCAATTTTATTAGTGTGCTGAACAATTTGCCGAA
GATTTTTTCGCTGCGGATGTGGAGTCTTTCCTAAATGAATATGGCTTACTACCAGAAAGAGAGATACATG
ACCTAGGGCAGACCAACACGGAAGATGAAGATATCGAG

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >RR208625 representing NM_012872
Red=Cloning site Green=Tags(s)

MEEAASQSLEEDFEGQATHTGPKGVINDWRKFKLESEGDSSIPPSKKEILRQMSSPQSRDDKDSKERMSR
 KMSIQEYELIHQKDEDEGLRKYRRQCMQDMHQKLSFGPRYGFVYELETGEQFLETIEKEQKVTITVNI
 YEDGVRGCDALNSLECLAAEYPMVKFKIRASNTGAGDRFSSDVLPTLLIYKGGELISNFI SVAEQFAE
 DFFAADVESFLNEYGLLPEREIHDLGQNTTEDEDIE

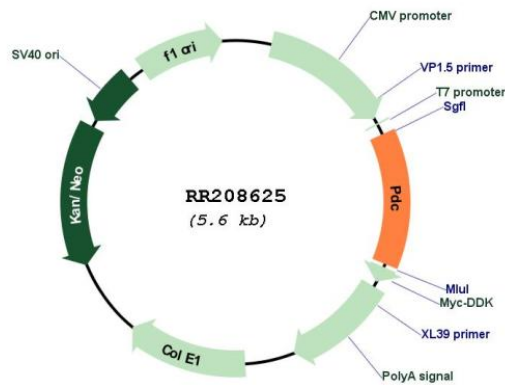
TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: Sgfl-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM_012872
ORF Size: 738 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_012872.1 , NP_037004.1
RefSeq Size:	1272 bp
RefSeq ORF:	741 bp
Locus ID:	25343
UniProt ID:	P20942
Cytogenetics:	13q21
MW:	28.1 kDa
Gene Summary:	binds the retinal G-protein transducin; plays a role in negative regulation of phototransduction [RGD, Feb 2006]