

Product datasheet for **RN206052**

Pdcd10 (NM_001009542) Rat Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Pdcd10 (NM_001009542) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Pdcd10
Synonyms:	MGC72992
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin
Fully Sequenced ORF:	>RN206052 representing NM_001009542 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGACAATGGAAGAGATGAAGACTGAAGCTGAGGCCGCTCCATGGTTCCATGCCTCTCTACGCAGTCA
TGTACCCTGTGTTTAACGAGCTAGAACGAGTAAATTTGTCTGCAGCTCAGACTCTGAGAGCCGCTTTCAT
TAAGGCTGAAAAGGAAAATCCAGGCCTCACACAAGACATCATTATGAAAATCTTAGAGAAAAAAGTGTA
GAAGTTAACTTCACTGAGTCCCTTCTTCGTATGGCAGCTGATGACGTAGAAGGTACATGATTGAACGAC
CAGAGCCAGAATTCAGGACCTAAATGAAAAGGCACGGGCACTTAAACAGATTCTCAGTAAGATTCCAGA
CGAGATCAATGACAGAGTGAGGTTTCTGCAGACAATCAAGGATATAGCTAGTGCAATAAAAGAACTACTT
GATACAGTGAATAATGTCTTTAAAAATATCAATACCAGAACCGCAGGGCACTTGAACACCAAAAGAAAG
AATTTGTAAAATACTCCAAAAGTTTCAGTGACACTCTGAAGACATATTTAAAGATGGCAAGGCAATAAA
TGTGTTTCATAAGTGCCAACCGGCTAATTCATCAAACCACTTGATACTTCAGACCTTCAAACCTGTGGCC
TGA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites:	SgfI-MluI
ACCN:	NM_001009542
Insert Size:	633 bp



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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:	<u>NM_001009542.2</u> , <u>NP_001009542.1</u>
RefSeq Size:	1328 bp
RefSeq ORF:	633 bp
Locus ID:	494345
UniProt ID:	<u>Q6NX65</u>
Cytogenetics:	2q32
Gene Summary:	Promotes cell proliferation. Modulates apoptotic pathways. Increases mitogen-activated protein kinase activity and STK26 activity. Important for cell migration, and for normal structure and assembly of the Golgi complex. Important for KDR/VEGFR2 signaling. Increases the stability of KDR/VEGFR2 and prevents its breakdown. Required for normal cardiovascular development. Required for normal angiogenesis, vasculogenesis and hematopoiesis during embryonic development.[UniProtKB/Swiss-Prot Function]