

Product datasheet for **MG202306**

Pdcd10 (NM_019745) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Pdcd10 (NM_019745) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Pdcd10
Synonyms:	2410003B13Rik; Ccm3; Tfa15; Tfar15
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>MG202306 representing NM_019745 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGAGGATGACAATGGAAGAGATGAAGAATGAAGCTGAGACCACTTCCATGGTTTCTATGCCTCTCTATG
CAGTCATGTATCCTGTGTTAATGAGCTAGAACGAGTAAATTTGTCTGCAGCTCAGACTCTGAGAGCCGC
TTTCATTAAGGCTGAAAAGGAAAATCCAGGCCTCACACAAGACATCATTATGAAAATATTAGAGAAAAA
AGTGTAGAAGTTAACTTCACCGAGTCCCTCCTTCGTATGGCAGCTGATGACGTAGAAGAGTACATGATTG
AGCGGCCAGAGCCAGAATTCAGGACCTAAATGAAAAGGCACGGGCACCTTAACAGATTCTCAGTAAGAT
TCCCGATGAGATCAATGACAGAGTGAGGTTTCTGCAGACAATCAAGGATATAGCTAGTGAATAAAAGAA
CTACTTGATACAGTGAATAATGTCTTCAAAAAATATCAGTACCAGAACCGCAGGGCAGCTTGAACACCAAA
AGAAAAGATTTGTAAAATACTCCAAAAGTTTCAGTGACACTCTGAAGACTTATTTTAAAGATGGCAAGGC
AATAAATGTGTTTCATAAGTGCCAACCGGCTAATTCATCAAACCACTTGATACTTCAGACCTTCAAAACT
GTGGCC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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Protein Sequence: >MG202306 representing NM_019745
 Red=Cloning site Green=Tags(s)

MRMTMEEMKNEAETTSMSVMPYAVMYPVFNELERVNLSAAQTLRAAFIKAENPGLTQDIIMKILEKK
 SVEVNFTESSLRMAADDDVEEYMIERPEPEFQDLNEKARALKQILSKIPDEINDRVRFLOTIKDIASAIKE
 LLDTVNNVFKKYQYQNRRALEHQKKEFKVYKSKFSDTLKTFFKDGKAINVFISANRLIHQTNLILQTFKT
 VA

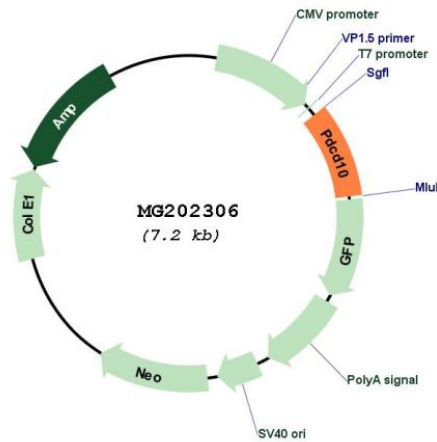
TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM_019745

ORF Size: 636 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_019745.2 , NP_062719.2
RefSeq Size:	1872 bp
RefSeq ORF:	639 bp
Locus ID:	56426
UniProt ID:	Q8VE70
Cytogenetics:	3 E3
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 (By similarity). 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 (By similarity).[UniProtKB/Swiss-Prot Function]