

Product datasheet for **MR207500**

Pdcd4 (NM_001168491) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Pdcd4 (NM_001168491) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Pdcd4
Synonyms:	D19Ucla1; Ma3; Tis
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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ORF Nucleotide Sequence:

>MR207500 representing NM_001168491
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGGATATAGAAAATGAGCAGACACTGAATGTGAACCCCACTGACCCTGACAATTTAAGCGACTCTCTCT
 TTTCTGGAGATGAAGAAAATGCTGGCACTGAAGAAATAAAGAATGAAATAAATGGAAATTTGATTCCGC
 ATCTACTATTAATGAAGCTAGAATCAATGCAAAAGCCAAAAGACGACTGCGGAAAAATTCATCCCGGGAC
 TCTGGCCGAGGAGACTCAGTCAGTGACAATGGAAGTGAAGCGGTTAGAAGTGGAGTTGCTGTGCCACCA
 GTCCAAAAGGAAGGTTGCTAGTAGGCGGTCCAGATCTGGGAAAGGAAGGGGGCTGCCAAAAGAAAGTGG
 TGCAGGCGCAAGGGTGTCTGGGCGACACCTGGACAGGTGTATGATGTGGAAGAGGTGGATGTGAAAGAT
 CCAAATATGATGACGACCAGGAGAATGTGTTTATGAACTGTAGTTTTCCTTGGATGAGACCGCAT
 TTGAGAAGACTCTAACACCAATTATACAGGAATACTTTGAGCATGGAGATACAAATGAAGTTGCGGAGAT
 GTTAAGAGACTTAAACCTTGGGGAGATGAAGAGTGGCGTCCCGTGTGGCAGTGCCTTAGCCTTGGAG
 GGAAGGCCACGCCACCGGAGATGACATCCAAGCTGCTTTCTGACCTTTCGCGGGACGGTGTGAGACAA
 ATGACGTGAAAAAGTCATTTGACAAGTTGCTGAAGGATCTCCCTGAGCTAGCCTTGGACACTCCTAGGGC
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 AGTTACAAAGGAAGTGTAGATTGTGTACAGGCTCGAGCTGCTCTGGATAAGGCTACTGTGCTCCTGAGTA
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 TGTTAAAGAGATTGATATGCTGCTTAAAGAGTATTTACTCTCTGGAGATATATCTGAAGCTGAACACTGC
 CTAAGGAAGTGAAGTACCTCATTTCACCACGAGCTGTATATGAAGCCATTGTAATGGTTTTAGAGT
 CACTGGAGAAAAGTGCATTCAAGATGATCTTAGATTTATTAATACTTGTGGAAGTCTTACTACTATTAC
 CATAGACCAAATGAAAAGAGGCTATGAGAGAATTTACAATGAAATCCCAGACATTAATCTGGATGTCCCA
 CACTCATACTCTGTTCTTGAGAGATTTGTGGAGGAATGTTTTAGGCTGGAATAATTTCCAAACAACCTCC
 GTGATCTTTGTCATCAAGGGGAAGAAAGCGTTTTGTAAGTGAAGGAGATGGAGGCCGCTTAAACCTGA
 GAGCTAC

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>MR207500 representing NM_001168491
 Red=Cloning site Green=Tags(s)

MDIENEQTLNVNPTDPDNLSDSLFSGDEENAGTEEIKNEINGNWI SASTINEARINAKAKRRLRKNSSRD
 SGRGDSVSDNGSEAVRSGVAVPTSPKGRLLDRRSRSGKGRGLPKKGGAGGKGVWGTGQVYDVEEVDVKD
 PNYDDQENCYETVVLPLDETA FEKLTPIIQEYFEHGDNEVAEMLRDLNLGEMKSGVPVLAVSLALE
 GKASHREMTSKLLSDLCGTVMSTNDVEKSFDKLLKDLPELALDTPRAPQLVGF IARAVGDGILCNTYID
 SYKGTVDVQARAALDKATVLLSMSKGGKRKDSVWGGGQQPVNHLVKEIDMLLKEYLLSGDISEAEHC
 LKELEVPHFHHEL VYEAIVMVESTGESAFKMILDLLKSLWKSSTITIDQMKGVERIYNEIPDINLDVP
 HSYSVLERFVEECFQAGIISKQLRDLCP SRGRKRFVSEGDGGRKPESY

TRTRPLEQ**KL**ISEEDLAANDILDYKDDDDKV

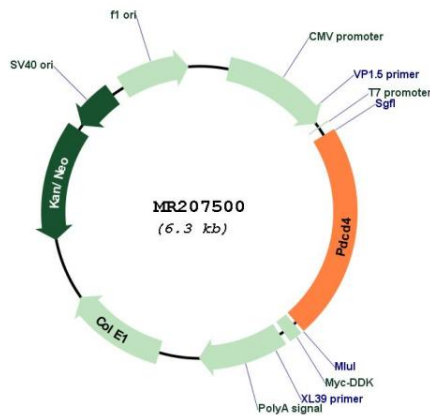
Restriction Sites:

SgfI-MluI

RefSeq: [NM_001168491.1](#), [NP_001161963.1](#)
 RefSeq Size: 2330 bp
 RefSeq ORF: 1410 bp
 Locus ID: 18569
 UniProt ID: [Q61823](#)
 Cytogenetics: 19 48.73 cM
 MW: 52.2 kDa

Gene Summary: Inhibits translation initiation and cap-dependent translation. May exert its function by hindering the interaction between EIF4A1 and EIF4G. Inhibits the helicase activity of EIF4A. Modulates the activation of JUN kinase. Down-regulates the expression of MAP4K1, thus inhibiting events important in driving invasion, namely, MAPK85 activation and consequent JUN-dependent transcription. May play a role in apoptosis. Tumor suppressor. Inhibits tumor promoter-induced neoplastic transformation. Binds RNA.[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MR207500