

Product datasheet for **RR203279**

Pdcd6ip (NM_001029910) Rat Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Pdcd6ip (NM_001029910) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Pdcd6ip
Synonyms:	AIP1; Alix; RGD1561176
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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ORF Nucleotide Sequence:

>RR203279 representing NM_001029910
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGGCGTCGTTTCATCTGGGTGCAGCTGAAGAAGACCTCGGAGGTGGACCTGGCCAAGCCGCTGGTCAAGT
 TCATCCAGCAGACGTACCCGAGCGGCGGAGGAGCAGGCCAGTACTGCCGCGCGGCCGAGGAGCTCAG
 CAAGCTGCGGCGCTCGGCGCTCGGCCGCCCGCTGGACAAGCACGAGGGCGCGCTGGAGACGCTGCTGAGA
 TATTATGACCAGATTTGTTCTATTGAACCCAAGTCCCATTTTCTGAAAAACAGATCTGCTTGACATTTA
 CGTGGAAGGATGCTTTTGATAAAGGTTCCCTTTTGGAGGATCTGAAAAATTGGCTTTGCAAGCTTAGG
 ATATGAAAAGAGCTGTGTGTTCAACTGTGCTGCCTTAGCTAGCCAGATCGCAGCAGAGCAGAACCTG
 GATAATGATGAAGGACTGAAAACCGCTGCTAAGCAGTACCAGTTTGTAGTGGTGCCTTTTACATATTA
 AAGACACAGTTTTATCTGCCTTAAGTCGAGAGCCTACTGTGGACATATCTCCAGATACTGTGGGGACCT
 CAGTCTTATTATGCTGGCCAAGCTCAAGAAGTATTTTTCTTAAAAGCCACAAGAGATAAGATGAAGGAT
 GCCATCATAGCGAAGCTGGCCAATCAGGCTGCCGATTACTTTGGCGATGCTTTCAAACAGTGTCACTACA
 AAGATGCCCTCCCAAGGAGGTATCCCTACCCTGGCTGCAAAGCAGTGCATCATGCAGGCTAATGCTGA
 GTACCACAGTCCATCCTGGCCAAGCAGCAGAAGAAGTTTGGGAAGAGATCGCAAGGTTGCAGCATGCA
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 TTCACGGATTTGTTTGAAGAATGGTGCCTGTCTGTGCAGCAGTCCCTGGCTGTGTTAGTCAGAGGA
 AAGCTACTTGGTTAACAGATCAATCGCTCAGATGAGAGAAGCTACAACCTTTGGCAATGGAGATGCTGC
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 TCCACAGCTGTAGTCGAGCAGGGAGGCATCCAGACTGTCGACCAGCTGATAAAGAGCTGCCTGAGCTGC
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 GAGGGAGCCAAGTTCAGAGCCGTTTATAGATAAAGCGGTGCAAGCGGATGGACAGGTGAAGGAGCGCTACC
 AGTCCCACCGAGACACCATCGCCCTTCTGTGTAAGCCAGAGCCGGAGCTGAATGCCGCCATCCCTTCTGC
 TAACCCAGCAAAGACCATGCAGGCAGTGAAGTTGTAATGTCTTAAAATCCTTATTATCAAACTCTTGAT
 GAAATAAAGAAGAAAGAGAGGGTCTTGAGAATGACCTGAAGTCAAGTGAATTTTGACATGACAAGCAAGT
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 GCTGCCGCTACTGCCCTGCAGGGGTGGGACTGCTTCAGCAGCACCCGCCACAGACCCCTGGCTCTGCTC
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 GCCCATGGGCTACAACCCTACACATATGGCCAGTACAATATGCCGTACCCACCGGTGTATCACCAGAGC
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 ACTATCCACAGCAG

ACGCGTACGCGGCGGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >RR203279 representing NM_001029910
 Red=Cloning site Green=Tags(s)

MASFIWVQLKKTSEVDLAKPLVKFIQQTYPSSGEEQAQYCRAAEELSKLRRSALGRPLDKHEGALETLR
 YYDQICSIEPKFPFSENQICLTFWKFADFSGSLFSGSVKLLASLGYEKSCVLFNCAALASQIAAEQNL
 DNDEGLKTAAKQYQFASGAFHLIKDVTLSALSREPTVDISPDTVGTLSLIMLAQAQEVFFLKATRDKMKD
 AIIAKLANQAADYFGDAFKQCQYKDALPKEVFPPTLAAKQCIMQANAEYHQSIKAKQKKFGEEIARLQHA
 AELIKNVASRYDEYVNVKDFSDKINRALAAAKDNDFIYHDRVPLDKLDPIGKATLVKPTPVNVPISQK
 FTDLFEKMVPVSVQQLAVFSQRKADLVNRSIAQMREATTLANGVLAASLNLPAAIEDVSGDTPVQSILTK
 STAVVEQGGIQTVDQLIKELPELLQRNREILEESLRLDDEEATDNDLRAKFKDRWQRTPSNDLYKPLRA
 EGAKFRAVLDAKAVQADGQVKERYQSHRDTIALLCKPEPELNAAIPSANPAKTMQGSEVVNVLKSLNSLD
 EIKKERELENDLKSVNFDMTSKFLTALAQDGVINEEALSVTELDRIYGGTTKVQESLKKQEGLLKNIQ
 VSHQEFKMKQSNSEASLREEVLKNLATAYDNFVELVANLKEGTFYNELTEILVRFQNKCSDIVFARKT
 ERDELLKDLQQSIAREPSAPSIPPPAYQSSPAGGHATAPTPAPRTMPPAKPQPPARPPPPVLPANRVPPA
 AAATAPAGVGTASAAPPQTPGSAPPPQAQPPYPTYPGYPGYCPMPMPMGYNPYTYGQYNMPYPPVYHQ
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TRTRPLEQKLISEEDLAANDILDYKDDDDKV

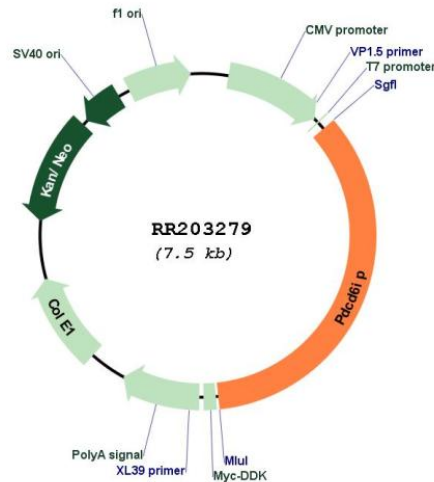
Restriction Sites:

Sgfl-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM_001029910

ORF Size: 2604 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:

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_001029910.3](#), [NP_001025081.2](#)

RefSeq Size: 5775 bp

RefSeq ORF: 2607 bp

Locus ID: 501083

Cytogenetics: 8q32

MW: 95.9 kDa

Gene Summary:

forms a complex with SH3 domain containing expressed in tumorigenic astrocytes (SETA) and apoptosis-linked gene 2 protein; may play a role in astrocyte apoptosis [RGD, Feb 2006]