

Product datasheet for **RC227839**

Apoptosis inhibitor 5 (API5) (NM_001142930) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Apoptosis inhibitor 5 (API5) (NM_001142930) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Apoptosis inhibitor 5
Synonyms:	AAC-11; AAC11
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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ORF Nucleotide Sequence:

>RC227839 representing NM_001142930
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**GCGATCGCC**

ATGCCACAGTAGAGGAGCTTTACCGCAATTATGGCATCTGGCCGATGCCACGGAGCAAGTGGCCAGC
 ATAAAGATGCCTATCAAGTGATATTGGATGGTGTGAAAGTGGTACTAAGGAAAAGCGATTAGCAGCTCA
 ATTTATCCGAAATCTTTAAGCATTTCAGCAATTGGCTGATTCTGCTATCAATGCACAGTTAGACCTC
 TGTGAGGATGAAGATGTATCTATTTCGACGTCAAGCAATTAAGAAGTGCCTCAATTTGCCACTGGAGAAA
 ATCTTCTCGAGTGGCAGATATACTAACGCACTTTTCAGACAGATGACTCTGCAGAAATTAACCTAGT
 GAACAATGCCCTATTAAGTATATTTAAATGGATGCAAAAGGGACTTTAGGTGGTTGTTCAGCCAAATA
 CTTCAAGGAGAGGACATTGTTAGAGAACGAGCAATTAATTCCTTTCTACAAAACCTAAGACTTTACCAG
 ATGAAGTCTTAACAAAGGAAGTGAAGAGCTTATACTAACTGAATCCAAAAGGTCTAGAAGATGTGAC
 TGGTGAAGAATTTGTTCTATTTATGAAGATACTGTCTGGGTTAAAAGCTTACAGACAGTGAAGGAAGA
 CAGCAACTTGTAGAGTTGGTGGCTGAACAGGCCGACCTAGAACAGACCTCAATCCCTCGGATCCTGACT
 GTGTGGACAGGCTCTTACAGTGCCTCGCAGGAGTACCCCTCTTCTCTAAAAATGTCCATTCCACAAG
 GTTTGTGACATATTTCTGTGAGCAGGTTCTCCCTAACCTCGGTACCTTGACTACCCAGTGGAAAGTCTT
 GATATACAGTTGGAGGTATTGAAATTTGGCGGAGATGAGTTCATTTTGGTGACATGGAAAACTAG
 AAACAAATTAAGGAACTATTTGATAAGTTATTGGAATACATGCCCTCCCTCCAGAAGAGGCAGAAAA
 TGGAGAGAATGCTGGTAAATGAAGAACCAAGCTACAGTTCAGTTATGTGGAATGTTTGTGTACAGTTTT
 CACCAGTTGGGCCGAAAACCTCCAGATTTCTTAACAGCCAACTGAATGCAGAAAAGCTCAAAGATTTCA
 AAATCAGGCTGCAGTACTTTGCACGGGCTGCAAGTTTATATCAGACAACTTCGCTTAGCTCCTCAGGG
 TAAAACGGGTGAGGCCTTAAAAACAGAAGAGAACAAGATTAAAGTCGTTGCATTGAAAATAACAAACAAT
 ATCAATGTTTTAATCAAGGATCTCTCCACATTCTCCTTCTTATAAGAGCACAGTAACACTATCTGGA
 AACCTGTACAAAAGGTTGAGATTGGGCAAAAGAGAGCCAGTGAAGATACTCACTCAGTTACCACCCAA
 GAAATCTTCAGCAGGACCAAAAAGAGATGCCAGGCAGATTTATAACCCTCCAGTGGGAAATATAGCAGC
 AATTTGGGCACTTAATTATGAGCAGAGAGGAGCCTTCAGGGGAAGTAGAGGTGGCCGAGGTTGGGGCA
 CACGAGGAAATCGTAGTCGGGGAAGACTCTAC

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>RC227839 representing NM_001142930
 Red=Cloning site Green=Tags(s)

MPTVEELYRNYGILADATEQVQGHKDAYQVILDGVKGGTKEKRLAAQFIPKFFKHPELADSAINAQLDL
 CEDEDVSIIRRAIKELPQFATGENLPRVADILTQLLQTDDSAEFNLVNNALLSIFKMDAKGTLGGLFSQI
 LQGEDIVRERAIKFLSTKLKTLPEVLKKEVEELILTESKKVLEDVTGEEFVLFMKILSGLKSLQTVSGR
 QQLVELVAEQADLEQTFNPSDPDCVDRLLQCTRQAVPLFSKNVHSTRFVTFYCEQVLPNLGTLTPVEGL
 DIQLEVLKLLAEMSSFCGDMEKLETNLRKLFKLLLEYMPLPPEEAENGENAGNEEPKLFQSYVECLLYSF
 HQLGRKLPDFLTAKLNAEKLKDFKIRLQYFARGLQVYIRQLRLALQGKTGEALKTEENKIKVVALKITNN
 INVLIKDLFHIPPSYKSTVTLWKPVQKVEIGQKRASEDTTSGSPPKSSAGPKRDARQIYNPPSGKYSS
 NLGNFNYEQRGAFRGRGGRGWTRGNRSRGRLY

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

Sgfl-MluI

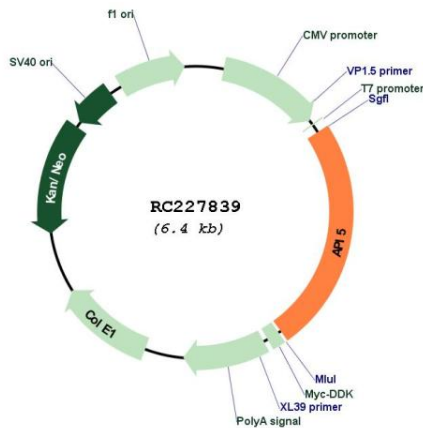
Cytogenetics: 11p12

Protein Families: Druggable Genome

MW: 59 kDa

Gene Summary: This gene encodes an apoptosis inhibitory protein whose expression prevents apoptosis after growth factor deprivation. This protein suppresses the transcription factor E2F1-induced apoptosis and also interacts with, and negatively regulates Acinus, a nuclear factor involved in apoptotic DNA fragmentation. Its depletion enhances the cytotoxic action of the chemotherapeutic drugs. Multiple alternatively spliced transcript variants encoding different isoforms have been identified. [provided by RefSeq, Aug 2011]

Product images:



Circular map for RC227839