

Product datasheet for **SC325162**

Apoptosis inhibitor 5 (API5) (NM_001142930) Human Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: Apoptosis inhibitor 5 (API5) (NM_001142930) Human Untagged Clone
Tag: Tag Free
Symbol: API5
Synonyms: AAC-11; AAC11
Vector: pCMV6 series
Fully Sequenced ORF: >NCBI ORF sequence for NM_001142930, the custom clone sequence may differ by one or more nucleotides

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ATGCCGACAGTAGAGGAGCTTTACCGCAATTATGGCATCCTGGCCGATGCCACGGAGCAA
GTGGGCCAGCATAAAGATGCCTATCAAGTGATATTGGATGGTGTGAAAGGTGGTACTAAG
GAAAAGCGATTAGCAGCTCAATTTATCCGAAATCTTTAAGCATTTTCCAGAATTGGCT
GATTCTGCTATCAATGCACAGTTAGACCTCTGTGAGGATGAAGATGTATCTATTCGACGT
CAAGCAATTAAGAAGCTGCCTCAATTTGCCACTGGAGAAAATCTCTCGAGTGGCAGAT
ATACTAACGCAACTTTTGCAGACAGATGACTCTGCAGAAATTAACCTAGTGAACAATGCC
CTATTAAGTATATTTAAATGGATGCAAAAGGGACTTTAGGTGGGTTGTTGAGCCAAATA
CTTCAAGGAGAGGACATTGTTAGAGAACGAGCAATTAATTCCTTTCTACAAAACCTAAG
ACTTTACCAGATGAAGTCTTAACAAAGGAAGTGAAGAGCTTATACTAACTGAATCCAAA
AAGGTCCTAGAAGATGTGACTGGTGAAGAATTTGTTCTATTTATGAAGATACTGTCTGGG
TTAAAAAGCTTACAGACAGTGTGAGTGAAGACAGCAACTTGTAGAGTTGGTGGCTGAACAG
GCCGACCTAGAACAGACCTTCAATCCCTCGGATCCTGACTGTGTGGACAGGCTCTTACAG
TGCACTCGGCAGGCAGTACCCCTCTTCTCTAAAAATGTCCATTCCACAAGGTTTGTGACA
TATTTCTGTGAGCAGGTTCTCCCTAACCTCGGTACCTTGACTACCCAGTGAAGGTCCTT
GATATACAGTTGGAGGATTGAAATTTGTTGGCGGAGATGAGTTTCAATTTTGTGGTGACATG
GAAAAACTAGAAACAAATTTAAGGAAACTATTTGATAAGTTATTGGAATACATGCCCTC
CCTCCAGAAGAGGCAGAAAATGGAGAGAATGCTGGTAATGAAGAACCAAGCTACAGTTC
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TTAACAGCCAACTGAATGCAGAAAAGCTCAAAGATTTCAAAATCAGGCTGCAGTACTTT
GCACGGGGCCTGCAAGTTTATATCAGACAACTTCGCTTAGCTCTCCAGGGTAAAACGGGT
GAGGCCTTAAAAACAGAAGAGAACAAGATTAAGTTCGTTGCATTGAAAAAACAACAAT
ATCAATGTTTTAATCAAGGATCTCTCCACATTCCTCCTTCTATAAGAGCACAGTAACA
CTATCCTGGAACCTGTACAAAAGGTTGAGATTGGGCAAAAGAGCCAGTGAAGATACA
ACTTCAGGTTTACCACCAAGAAATCTTACAGCAGGACCAAAAGAGATGCCAGGCAGATT
TATAACCTCCCAAGTGGGAAATATAGCAGCAATTTGGGCAACTTTAATTATGAGCAGAGA
GGAGCCTTCAGGGGAAGTAGAGGTGGCCGAGGTTGGGGCACACGAGGAAATCGTAGTCGG
GGAAGACTCTAC

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Restriction Sites: Please inquire



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ACCN:	NM_001142930
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).
OTI Annotation:	This TrueClone is provided through our Custom Cloning Process that includes sub-cloning into OriGene's pCMV6 vector and full sequencing to provide a non-variant match to the expected reference without frameshifts, and is delivered as lyophilized plasmid DNA.
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_001142930.1</u> , <u>NP_001136402.1</u>
RefSeq Size:	3782 bp
RefSeq ORF:	1575 bp
Locus ID:	8539
UniProt ID:	<u>Q9BZZ5</u>
Cytogenetics:	11p12
Protein Families:	Druggable Genome
Gene Summary:	<p>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]</p> <p>Transcript Variant: This variant (1) encodes the longest isoform (a).</p>