

Product datasheet for RC204435L3

OriGene Technologies, Inc.

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Apoptosis inhibitor 5 (API5) (NM_006595) Human Tagged Lenti ORF Clone

Product data:

Product Type: Expression Plasmids

Product Name: Apoptosis inhibitor 5 (API5) (NM_006595) Human Tagged Lenti ORF Clone

Tag: Myc-DDK

Symbol: Apoptosis inhibitor 5

Synonyms: AAC-11; AAC11

Mammalian Cell P

Selection:

Puromycin

Vector: pLenti-C-Myc-DDK-P2A-Puro (PS100092)

E. coli Selection: Chloramphenicol (34 ug/mL)

ORF Nucleotide

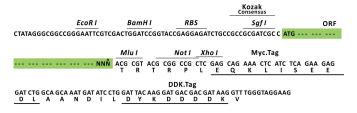
The ORF insert of this clone is exactly the same as(RC204435).

Sequence:

Restriction Sites: Sgfl-Mlul

Cloning Scheme:





^{*} The last codon before the Stop codon of the ORF.

ACCN: NM_006595

ORF Size: 1512 bp





Apoptosis inhibitor 5 (API5) (NM_006595) Human Tagged Lenti ORF Clone - RC204435L3

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: <u>NM 006595.3</u>

 RefSeq Size:
 3777 bp

 RefSeq ORF:
 1515 bp

 Locus ID:
 8539

 UniProt ID:
 Q9BZZ5

Cytogenetics: 11p12

Protein Families: Druggable Genome

MW: 56.8 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]