

Product datasheet for RC203297

APIP (NM_015957) Human Tagged ORF Clone

Product data:

| | |
|---------------------------|---|
| Product Type: | Expression Plasmids |
| Product Name: | APIP (NM_015957) Human Tagged ORF Clone |
| Tag: | Myc-DDK |
| Symbol: | APIP |
| Synonyms: | APIP2; CGI-29; CGI29; hAPIP; MMRP19 |
| Mammalian Cell Selection: | Neomycin |
| Vector: | pCMV6-Entry (PS100001) |
| E. coli Selection: | Kanamycin (25 ug/mL) |
| ORF Nucleotide Sequence: | >RC203297 ORF sequence Red=Cloning site Blue=ORF Green=Tags(s) |

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGTCTGGCTGTGATGCTCGGGAGGGAGACTGTTGTTCCCGGAGATGCGGCGCGCAGGACAAGGAGCGTC
CAAGATACCTGATCCCAGAACTTTGCAAACAGTTTTACCATTTAGGCTGGGTCAGTGGGACTGGAGGAGG
AATTAGCTTGAAGCATGGCGATGAAATCTACATTGCTCCTTCAGGAGTGCAAAGGAACGAATTCAGCCT
GAAGACATGTTTGTGATATAAATGAAAAGGACATAAGTGGACCTTCGCCATCGAAGAAGCTAAAAA
AAAGCCAGTGTACTCCTCTTTTCATGAATGCTTACACAATGAGAGGAGCAGGTGCAGTGATTCATACCCA
CTCTAAAGCTGCTGTGATGGCCACACTTCTTTCCAGGACGGGAGTTTAAAATTACACATCAAGAGATG
ATAAAAAGGAATAAAGAAATGTACTTCCGGAGGGATTATAGATATGATGATATGTTAGTGGTACCCATTA
TTGAGAATACACCTGAGGAGAAAAGACCTCAAAGATAGAATGGCTCATGCAGTGAATGAATACCCAGACTC
CTGTGCAGTACTGGTCAGACGTCATGGAGTATATGTGTGGGGGAAACATGGGAGAAGGCCAAAACCATG
TGTGAGTGTTATGACTATTTATTTGATATTGCCGATCAATGAAGAAAAGTAGGACTTGATCCTTCACAGC
TCCAGTTGGAGAAAATGGAATTGTC

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



[View online »](#)

Protein Sequence: >RC203297 protein sequence
 Red=Cloning site Green=Tags(s)

MSGCDAREGDCCSRRCGAQDKERPRYLIPELCKQFYHLGWVTGTGGGISLKHGDEIYIAPSGVQKERIQP
 EDMFVCDINEKDISGPPSKLKKSQCTPLFMNAYTMRGAGAVIHTHSKAAVMATLLFPGREFKITHQEM
 IKGIKKCTSGGYRYDDMLVPIIENTPEEKDLKDRMAHAVNEYPDSCAVLVRRHGVYVWGETWEKAKTM
 CECYDYLFDAVSMKKVGLDPSQLPVGENGIV

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms: https://cdn.origene.com/chromatograms/mk6416_h08.zip

Restriction Sites: SgfI-MluI

Cloning Scheme:

Cloning sites used for ORF Shuttling:



* The last codon before the Stop codon of the ORF

ACCN: NM_015957

ORF Size: 726 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.

Note: Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.

RefSeq: [NM_015957.4](#)

RefSeq Size: 1285 bp

RefSeq ORF: 729 bp

Locus ID: 51074

UniProt ID: [Q96GX9](#)

Cytogenetics: 11p13

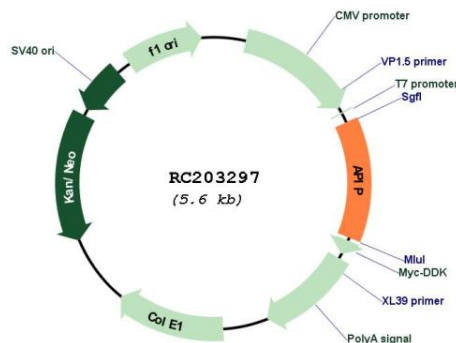
Domains: Aldolase_II

Protein Pathways: Cysteine and methionine metabolism, Metabolic pathways

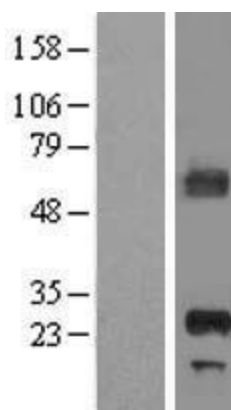
MW: 27.1 kDa

Gene Summary: APIP is an APAF1 (MIM 602233)-interacting protein that acts as a negative regulator of ischemic/hypoxic injury (Cho et al., 2004 [PubMed 15262985]).[supplied by OMIM, Dec 2008]

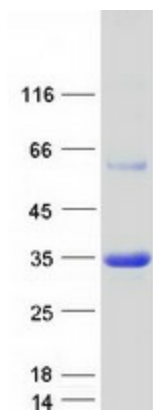
Product images:



Circular map for RC203297



Western blot validation of overexpression lysate (Cat# [LY414309]) using anti-DDK antibody (Cat# [TA50011-100]). Left: Cell lysates from untransfected HEK293T cells; Right: Cell lysates from HEK293T cells transfected with RC203297 using transfection reagent MegaTran 2.0 (Cat# [TT210002]).



Coomassie blue staining of purified APIP protein (Cat# [TP303297]). The protein was produced from HEK293T cells transfected with APIP cDNA clone (Cat# RC203297) using MegaTran 2.0 (Cat# [TT210002]).