

Product datasheet for **MC210045**

Apip (NM_019735) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Apip (NM_019735) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Apip
Synonyms:	APIP2; CGI-29; Mmrip19
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin
Fully Sequenced ORF:	>MC210045 representing NM_019735 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**GCGATCGCC**

ATGTCTGGCTGTCAAGCTCAAGGAGACTGTTGCTCGCGGCCGTGTGGCGCAGGACAAGGAGCACCCC
GATTCCTGATCCCAGAACTTTGCAAACAGTTTTACCATCTGGGCTGGGTACCGGCACTGGAGGGGAAT
CAGCTTGAAGCATGGCAATGAAATCTACATTGCTCCCTCAGGCGTGCAAAAGGAACGCATTACGCCAGAA
GACATGTTTGTGTGTGACATTAATGAGCAGGACATAAGCGGGCCTCCAGCATCTAAGAAGCTGAAAAAAA
GCCAGTGCCTCTTTTCATGAATGCTTATACCATGAGAGGAGCTGGCGCAGTGATTCATACCCACTC
TAAAGCTGCTGTGATGGCTACCCCTTCTGTTCCAGGACAGGAGTTAAAAATTACACATCAAGAGATGATC
AAAGGAAATAAGGAAATGTACCTCAGGAGGCTATTACAGATACGATGATATGTTAGTGGTACCTATTATTG
AGAACTCCTGAAGAGAAGGATCTCAAAGAAAGGATGGCTCATGCCATGAACGAGTACCCAGACTCCTG
TGCGGTTCTTGTCCGGCGTCATGGGGTGTACGTGTGGGGAGAAACATGGGAGAAAGCAAAAACCATGTGT
GAGTGTATGACTACCTGTTTGACATTGTCTCCATGAAGAAGATGGGACTCGATCCAACACAGCTCC
CAGTTGGAGAAAATGGAATTGT**TAA**

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites:	Sgfl-MluI
ACCN:	NM_019735
Insert Size:	726 bp



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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).
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:	NM_019735.4 , NP_062709.3
RefSeq Size:	924 bp
RefSeq ORF:	726 bp
Locus ID:	56369
UniProt ID:	Q9WVQ5
Cytogenetics:	2 E2
Gene Summary:	<p>Catalyzes the dehydration of methylthioribulose-1-phosphate (MTRu-1-P) into 2,3-diketo-5-methylthiopentyl-1-phosphate (DK-MTP-1-P). Functions in the methionine salvage pathway, which plays a key role in cancer, apoptosis, microbial proliferation and inflammation. May inhibit the CASP1-related inflammatory response (pyroptosis), the CASP9-dependent apoptotic pathway and the cytochrome c-dependent and APAF1-mediated cell death. [UniProtKB/Swiss-Prot Function]</p> <p>Transcript Variant: This variant (1) represents the longest transcript and encodes the longest isoform (1).</p>