

Product datasheet for SC127739

YAP1 (NM_006106) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	YAP1 (NM_006106) Human Untagged Clone
Tag:	Tag Free
Symbol:	YAP1
Synonyms:	COB1; YAP; YAP2; YAP65; YKI
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL4</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>OriGene ORF within SC127739 sequence for NM_006106 edited (data generated by NextGen Sequencing)

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ATGGATCCCGGGCAGCAGCCGCCCTCAACCGCCCCCAGGGCCAAGGGCAGCCGCT
TCGCAGCCCCCGAGGGCAGGGCCCGCTCCGACCCGGGCAACCGGCACCCGCGGC
ACCCAGGCGGCGCCGAGGCACCCCGCGGGCATCAGATCGTGACAGTCCGCGGGAC
TCGGAGACCGACCTGGAGGCGCTCTTCAACGCCGTGATGAACCCCAAGACGGCCAACGTG
CCCCAGACCGTGCCATGAGGCTCCGGAAGCTGCCGACTCCTTCTTCAAGCCGCGGAG
CCCAAATCCCACTCCCGACAGGCCAGTACTGATGCAGGCACTGCAGGAGCCCTGACTCCA
CAGCATGTTTCGAGCTCATTCTCTCCAGCTTCTCTGCAGTTGGGAGCTGTTTCTCCTGGG
ACACTGACCCCCACTGGAGTAGTCTCTGGCCCAGCAGCTACACCCACAGCTCAGCATCTT
CGACAGTCTTCTTTGAGATACCTGATGATGTACCTCTGCCAGCAGGTTGGGAGATGGCA
AAGACATCTTCTGGTCAGAGATACTTCTTAAATCACATCGATCAGACAACAACATGGCAG
GACCCAGGAAGCCATGCTGTCCAGATGAACGTCACAGCCCCACAGTCCACCAAGT
CAGCAGAAATGATGAACTCGGCTTCAGCCATGAACCAGAGAATCAGTCAGAGTGCTCCA
GTGAAACAGCCACCACCCTGGCTCCCCAGAGCCACAGGGAGGCGTCATGGGTGGCAGC
AACTCCAACCAGCAGCAACAGATGCGACTGCAGCAACTGCAGATGGAGAAGGAGAGGCTG
CGGCTGAAACAGCAAGAAGTCTTCGGCAGGAGTTAGCCCTGCGTAGCCAGTTACCAACA
CTGGAGCAGGATGGTGGGACTCAAAATCCAGTGTCTTCTCCCGGATGTCTCAGGAATTG
AGAACAATGACGACCAATAGCTCAGATCCTTTCTTAAACAGTGGCACCTATCACTCTCGA
GATGAGAGTACAGACAGTGGACTAAGCATGAGCAGCTACAGTGTCCCTCGAACCCAGAT
GACTTCTGAACAGTGTGGATGAGATGGATACAGGTGATACTATCAACCAAGCACCCCTG
CCCTCACAGCAGAACCGTTTCCAGACTACCTTGAAGCCATTCTGGGACAAATGTGGAC
CTTGGAACACTGGAAGGAGATGGAATGAACATAGAAGGAGAGGAGCTGATGCCAAGTCTG
CAGGAAGCTTTGAGTTCTGACATCCTTAATGACATGGAGTCTGTTTTGGCTGCCACCAAG
CTAGATAAAGAAAGCTTTCTTACATGGTTATAG

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Clone variation with respect to NM_006106.4



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5' Read Nucleotide Sequence: >OriGene 5' read for NM_006106 unedited
 CGCGAATTCGCGACACAGGGGCGCAGGGCGGGGCGGAGGCGCCGGGGCGGGGGATGCGGG
 GCCCGGGCGCAACCCCCGGCCCTGAGAGCGAGGACAGCGCCGCCCGCCCGCAGCCGTC
 GCCGCTTCTCCACCTCGGCCCGTGGAGCCGGGGCGTCCGGGCGTANCCCTCGCTCGCCTG
 GGTGAGGGGTGCGCGTCGGGGGAGGCAGAAGCCATGGATCCCGGGCAGCAGCCGCCGCC
 TCAACCGGCCCCCGAGGGCAAGGGCAGCCGCCTTCGACGCCCGCAGGGGCAGGGCCC
 GCCGTCGGGACCCGGGCAACCGGCACCCGCGGGCAGCCAGGCGGGCGCCGAGGCACCCCG
 CGCCGGGCATCAGATCGTGCACGTCCGCGGGGACTCGGAGACCGACCTGGAGCGCTCTT
 CAACGCCGTATGAACCCCAAGACGGCCAACGTGCCCCAGACCGTGCCCATGAGGCTCCG
 GAAGTGCCCGACTCCTTCTTCAAGCCGCGGAGCCANATCCCACTCCCGACAGGCCAG
 TACTGATGACGGCACTGCAGGAGCCCTGACTCCACAGCATGTTTCGAGCTATTCTCTCC
 AGCTTCTGTCAGGTGGGAGCTGTTTCTCTCTGGGACTGACCCCACTGGAGTAGTCTC
 TGGCCAGCAGCTACCCACAGCTCAGCATCTTCGACAGTCTTCTTTGAGAACCTGAT
 GATGTACCTCTGCCAGCN

3' Read Nucleotide Sequence: >OriGene 3' read for NM_006106 unedited
 AGTAATTCGGTTNATGAACCACATCAGGGACAAATTGAATACATAAGAAAAAAGTAAA
 TTTTATGTAAGTACCTAACATATGAGCATGCTCTTACATCTAAAACAAAAATAAAAAGG
 TAACATTGGTACTATATATATATATTTGACAAGTGTGCATTAAAGAATTCTAATATAA
 AACATTTAAAATGTGGAGAATACTTTTTTATTATACAGAAAACAATTGTTATGATAGGCA
 CACCCACAATTCTTATAACAACATGCTTGCAGGATAAAAATCCACCTGAGCACTCATTTT
 ACAGATGTACCAACGCTAGAAAAGTGTAAAGCACTGAATATTGCCACCCACTTTTGAAT
 GTTTGAGTTTCAACACTGATTGGTATGAATTCTGAATTACACAATTAATTACTGTTATTT
 TTCAGTCTTTCTGCCATGTTCCATATAGAAGGCATGTATTTAATATGAATACTTAACACA
 GCAACATTATTTGTAGCAAAGTCACTTCCCTGTGTTTCATTTTTCTTTAAAGGCACTACA
 TTTAGAAAAGGTAATACTACAAAAGTGCTTTGGAAAATCTGAAACTCCAAATCAATGTG
 CTTTCATCCACAAAAGTGTATCTTAGAAGCCCTGACTGAAAATACCCACATGTAAAAGTG
 GTTAATTTTAAAGATTTAAAATTGGGTTATTGGTTAAGCAAGTTTAGAATTTCCCGTTAAA
 ATTTTATTTCAAGTTTCGCATGTAACCCAGAAACGGTGAAGACCCCTGTTCTATGGCATA
 AGACGTTTATCAGGTCTCCAGCAGGGCTTTGTTTCCAGTCAAGAGGGAAGCACTGTGAG
 ACTTCTTCAGGTCAATACGTTGAGGTAATTACGACCAATCCTGGCCAGCGGTACC

Restriction Sites: NotI-NotI

ACCN: NM_006106

Insert Size: 4700 bp

OTI Disclaimer: Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in E. coli are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA can be purchased from OriGene with batch-specific, full-sequence verification at a reduced cost. Please contact our customer care team at custsupport@origene.com or by calling 301.340.3188 option 3 for pricing and delivery.

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](#)

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_006106.2</u> , <u>NP_006097.1</u>
RefSeq Size:	5128 bp
RefSeq ORF:	1365 bp
Locus ID:	10413
Cytogenetics:	11q22.1
Domains:	WW
Protein Families:	Druggable Genome
Gene Summary:	<p>This gene encodes a downstream nuclear effector of the Hippo signaling pathway which is involved in development, growth, repair, and homeostasis. This gene is known to play a role in the development and progression of multiple cancers as a transcriptional regulator of this signaling pathway and may function as a potential target for cancer treatment. Alternative splicing results in multiple transcript variants encoding different isoforms. [provided by RefSeq, Aug 2013]</p> <p>Transcript Variant: This variant (2) uses an alternate in-frame splice site and lacks two alternate exons in the coding region, compared to variant 9. The encoded protein (isoform 2) represents the YAP1-1alpha isoform described in Figure 3 of PMID: 22939869. It is shorter, compared to isoform 9. Sequence Note: This RefSeq record was created from transcript and genomic sequence data to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on transcript alignments.</p>