

## Product datasheet for **SC325139**

### **YAP1 (NM\_001130145) Human Untagged Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	YAP1 (NM_001130145) Human Untagged Clone
Tag:	Tag Free
Symbol:	YAP1
Synonyms:	COB1; YAP; YAP2; YAP65; YKI
Mammalian Cell Selection:	None
Vector:	<u><a href="#">pCMV6-XL5</a></u>
E. coli Selection:	Ampicillin (100 ug/mL)



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**Fully Sequenced ORF:** >OriGene sequence for NM\_001130145 edited  
 CCGTCAAGGGAGTTGGAGGGAAAAAGTTCTCAGGCGCCGACGGTCCGAGTGCCTCGCAGC  
 CCCTCCCAGGGCGCAGCCGCCAGACCAGTGGAGCCGGGGCGCAGGGCGGGGGCGGAGGCG  
 CCGGGGCGGGGGATGCGGGGCGCGGCCAGCCCCCGGCCCTGAGAGCGAGGACAGCGC  
 CGCCCCGGCCGCAGCCGTGCGCGCTTCTCCACCTCGGCCCGTGGAGCCGGGGCGTCCGGG  
 CGTAGCCCTCGCTCGCTGGGTGAGGGGTGCGCGTGGGGGAGGCAGAAAGCCATGGATC  
 CCGGGCAGCAGCCGCGCCTCAACCGGCCCCAGGGCCAAAGGGCAGCCGCTTCGCAGC  
 CCCCAGGGGGCAGGGCCCGCCGTCCGGACCCGGGCAACCGGCACCCGCGCGACCCAGG  
 CGGCGCCGACGGCACCCCGCCGGGCATCAGATCGTGCACGTCCGCGGGGACTCGGAGA  
 CCGACCTGGAGGCGCTTCAACGCGTCATGAACCCCAAGACGGCCAACGTGCCCCAGA  
 CCGTGCCCATGAGGCTCCGGAAGCTGCCGACTCCTTCTCAAGCCGCGGAGCCAAAT  
 CCCACTCCCAGAGCCAGTACTGATGCAGGCACTGCAGGAGCCCTGACTCCACAGCATG  
 TTCAGACTCATTCTCCAGCTTCTCTGCAGTTGGGAGCTGTTTCTCCTGGGACTGA  
 CCCCCACTGGAGTAGTCTCTGGCCAGCAGCTACACCCACAGCTCAGCATCTTCGACAGT  
 CTTCTTTTGAGATACCTGATGATGTACCTCTGCCAGCAGTTGGGAGATGGCAAAGACAT  
 TTCTGGTCAGAGATACTTCTTAAATCACATCGATCAGACAACAACATGGCAGGACCCCA  
 GGAAGGCCATGCTGTCCAGATGAACGTACAGCCCCCACCAGTCCACCAGTGCAGCAGA  
 ATATGATGAACCTCGGCTTCAGGTCTTCTCTGATGGATGGGAACAAGCCATGACTCAGG  
 ATGGAGAAATTTACTATATAAACCATAGAACAAGACCACCTCTTGGCTAGACCCAAGGC  
 TTGACCCCTGTTTTGCCATGAACCAGAGAATCAGTCAGAGTGCTCCAGTGAACAGCCAC  
 CACCCCTGGTCCCAGAGCCCACAGGGAGGCGTCATGGTGCGCAGCAACTCCAACCAGC  
 AGCAACAGATGCGACTGCAGCAACTGCAGATGGAGAAGGAGAGGCTGCGGCTGAAACAGC  
 AAGAATGCTTCGGCAGGCAATGCGGAATCAATCCCAGCACAGCAAATTTCTCCAAAAT  
 GTCAGGAGTTAGCCCTGCGTAGCCAGTTACCAACTGGAGCAGGATGGTGGGACTCAAA  
 ATCCAGTGTCTTCTCCCGGATGTCTCAGGAATTGAGAACAATGACGACCAATAGCTCAG  
 ATCCTTTCCTAACAGTGGCACCTATCACTCTCGAGATGAGAGTACAGACAGTGGACTAA  
 GCATGAGCAGCTACAGTGTCCCTCGAACCCAGATGACTTCTGAACAGTGTGGATGAGA  
 TGGATACAGGTGATACTATCAACCAAAGCACCCCTGCCCTCACAGCAGAACCCTTTCCAG  
 ACTACCTGAAGCCATTCTGGGACAAATGTGGACCTTGAACACTGGAAGGAGATGGAA  
 TGAACATAGAAGGAGAGGAGCTGATGCCAAGTCTGCAGGAAGCTTTGAGTTCTGACATCC  
 TTAATGACATGGAGTCTGTTTTGGCTGCCACCAAGCTAGATAAAGAAAGCTTTCTTACAT  
 GGTATAGAGCCCTCAGGCAGACTGAATTTCTAAATCTGTGAAGGATCTAAGGAGACACAT  
 GCACCGGAAATTTCCATAAGCCAGTTGCAGTTTTCAGGCTAATACAGAAAAAGATGAACA  
 AACGTCCAGCAAGATACTTTAATCCTCTATTTTGTCTTCTCCTTGTCCATTGCTGTGTTA  
 ATGTATTGCTGACCTCTTTCACAGTTGGCTCTAAAGAATCAAAAGAAAAAACTTTTTAT  
 TTCTTTTGTATTAATAACTACTGTTTCAATTTGGGGGCTGGGGGAAGTGAAGCTGTTTGA  
 TGATGGATGCCATTCTTTTGGCCAGTTAAATGTTACCAATCATTTTAACTAAATACTC  
 AGACTTAGAAGTCAGATGCTTCATGTACAGCATTTAGTTTGTTCACAGTTGTTTCTTC  
 AGCTTCTTTGTCCAGTGAAAAACATGATTTACTGGTCTGACAAGCCAAAAATGTTATA  
 TCTGATATTAATACTTAATGCTGATTTGAAGAGATAGCTGAAAAAAAAAAAAAAAAAAA  
 AAAAAAAAAAAAAAAAAAAAAA

**Restriction Sites:** Please inquire  
**ACCN:** NM\_001130145  
**Insert Size:** 2500 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](mailto: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](#)

**OTI Annotation:** The ORF of this clone has been fully sequenced and found to be a perfect match to NM\_001130145.1.

**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:** [NM\\_001130145.1](#), [NP\\_001123617.1](#)

**RefSeq Size:** 5386 bp

**RefSeq ORF:** 1515 bp

**Locus ID:** 10413

**UniProt ID:** [P46937](#)

**Cytogenetics:** 11q22.1

**Protein Families:** Druggable Genome

**Gene Summary:**

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]

Transcript Variant: This variant (1) uses an alternate in-frame splice site in the 3' coding region, compared to variant 9. The encoded protein (isoform 1) represents the YAP1-2gamma 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.