

Product datasheet for **RC238320**

YAP1 (NM_001282098) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	YAP1 (NM_001282098) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	YAP1
Synonyms:	COB1; YAP; YAP2; YAP65; YKI
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



[View online »](#)

ORF Nucleotide Sequence:

>RC238320 representing NM_001282098
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**GCGATCGCC**

ATGGATCCCGGGCAGCAGCCGCCCTCAACCGGCCCCAGGGCCAAGGGCAGCCGCTTCGAGCCCC
 CGCAGGGGCAGGGCCCGCGTCCGGACCCGGGCAACCGGCACCCGCGGACCCAGGCGGCGCCGAGGC
 ACCCCCCGCCGGGCATCAGATCGTGCACGTCCGCGGGACTCGGAGACCGACCTGGAGGCGCTTCAAC
 GCCGTCATGAACCCCAAGACGGCAACGTGCCAGACCGTGCCATGAGGCTCCGGAAGCTGCCGACT
 CCTTCTCAAGCCGCGGAGCCAAATCCACTCCCGACAGGCCAGTACTGATGCAGGACTGCAGGAGC
 CCTGACTCCACAGCATGTTGAGCTCATTCTCTCCAGCTTCTCTGCAGTTGGGAGCTGTTTCTCTGGG
 AACTGACCCCCACTGGAGTAGTCTCTGGCCAGCAGCTACACCCACAGCTCAGCATCTTCGACAGTCTT
 CTTTTGAGATACCTGATGATGTACCTCTGCCAGCAGGTTGGGAGATGGCAAAGACATCTTCTGGTCAGAG
 ATACTTCTTAAATCACATCGATCAGACAACAACATGGCAGGACCCAGGAAGGCCATGCTGTCCCAGATG
 AACGTCACAGCCCCACCACTCCACAGTGCAGCAGAATATGATGAACTCGGCTTCAGCCATGAACCAGA
 GAATCAGTCAGAGTGCTCCAGTGAACAGCCACACCCCTGGCTCCCCAGAGCCACAGGGAGGCGTCAT
 GGGTGGCAGCAACTCAAACAGCAGCAACAGATGCGACTGCAGCAACTGCAGATGGAGAAGGAGAGGCTG
 CGGCTGAAACAGCAAGAAGTCTTCGGCAGGAGTTAGCCCTGCGTAGCCAGTTACCAACTGGAGCAGG
 ATGGTGGGACTCAAAATCCAGTGTCTTCTCCCGGATGTCTCAGGAATTGAGAACAATGACGACCAATAG
 CTCAGATCCTTTCCTAACAGTGGCACCTACTCTCGAGATGAGAGTACAGACAGTGGACTAAGCATG
 AGCAGCTACAGTGTCCCTCGAACCCAGATGACTTCTGAACAGTGTGGATGAGATGGATACAGGTGATA
 CTATCAACCAAGCACCCCTGCCCTCACAGCAGAACCCTTCCAGACTACCTTGAAGCCATTCTCTGGGAC
 AAATGTGGACCTTGAACACTGGAAGGAGATGGAATGAACATAGAAGGAGAGGAGCTGATGCCAAGTCTG
 CAGGAAGCTTTGAGTTCTGACATCCTTAATGACATGGAGTCTGTTTTGGCTGCCCAAGCTAGATAAAG
 AAAGCTTCTTACATGGTTA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>RC238320 representing NM_001282098
 Red=Cloning site Green=Tags(s)

MDPGQQPPPQPAPQGGQPPSQPPQGGPPSGPGQPAPAATQAAPQAPPAGHQIVHVRGDSETDLEALFN
 AVMNPKTANVPQTVPMRLRKLPSFFKPPPEPKSHSRQASTDAGTAGALTPQHVRHSSPASLQLGAVSPG
 TLTPQVVSQGPAAATPTAQLRQSSFEIPDDVPLPAGWEMAKTSSGQRYFLNHIDQTTTQQDPRKAMLSQM
 NVTAPTSPVQNMNNSASAMNQRISQAPVKQPPPLAPQSPQGGVMGGSNSNQQQMRLQLQMEKERL
 RLKQQLLRQELALRSQLEQDGGTQNPVSSPGMSQELRTMTTNSDPPFLNSGTYHSRDESTDSGLSM
 SSYSVPRTPDDFLNSVDEMDTGDITINQSTLPSQQNRPDYLEAIPGTNVDLGTLGEGDMNIEGEELMPSL
 QEALSSDILNDMESVLAATKLDKESFSLTWL

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

Sgfl-MluI

Cloning Scheme:


ACCN: NM_001282098

ORF Size: 294 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.

RefSeq: [NM_001282098.1](#), [NP_001269027.1](#)

RefSeq Size: 5246 bp

RefSeq ORF: 1365 bp

Locus ID: 10413

UniProt ID: [P46937](#)

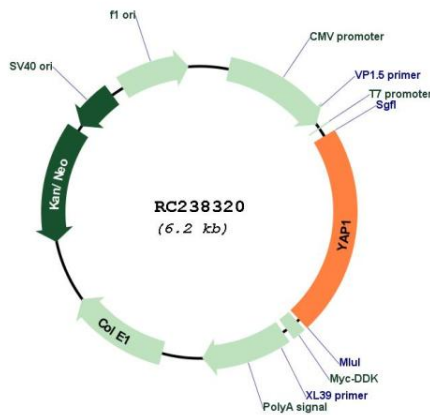
Cytogenetics: 11q22.1

Protein Families: Druggable Genome

MW: 48.3 kDa

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]

Product images:



Circular map for RC238320