

Product datasheet for **RG238320**

YAP1 (NM_001282098) Human Tagged ORF Clone

Product data:

| | |
|---------------------------|--|
| Product Type: | Expression Plasmids |
| Product Name: | YAP1 (NM_001282098) Human Tagged ORF Clone |
| Tag: | TurboGFP |
| Symbol: | YAP1 |
| Synonyms: | COB1; YAP; YAP2; YAP65; YKI |
| Mammalian Cell Selection: | Neomycin |
| Vector: | pCMV6-AC-GFP (PS100010) |
| E. coli Selection: | Ampicillin (100 ug/mL) |
| ORF Nucleotide Sequence: | >RG238320 representing NM_001282098. Blue=ORF Red=Cloning site Green=Tag(s) |

```
GCTCGTTTGTGAACCGTCAGAATTTGTAAACGACTACTATAGGGCGCCGGGAATTCGTCGACTG
GATCCGGTACCGAGGAGATCTGCCGCCCGCATCGCC
ATGGATCCCGGGCAGCAGCCGCCCTCAACCGGCCCCAGGGCCAAGGGCAGCCGCTTCGACGCC
CCGACGGGGCAGGGCCCGCTCCGGACCCGGGCAACCGGCACCCGCGGACCCAGGCGCGCCGACG
GCACCCCGCCGGGCATCAGATCGTGCACGTCCGCGGGACTCGGAGACCGACCTGGAGGCGCTTTC
AACGCCGTCATGAACCCCAAGACGGCCAACGTGCCCCAGACCGTCCCATGAGGCTCCGGAAGCTGCC
GACTCCTTCTTCAAGCCCGGAGCCAAATCCCCTCCGACAGGCCAGTACTGATGCAGGCATGCA
GGAGCCCTGACTCCACAGCATGTTGAGCTCATTCTCTCCAGCTTCTCTGCAGTTGGGAGCTGTTTCT
CCTGGGACTGACCCCACTGGAGTAGTCTCTGGCCAGCAGCTACCCACAGCTCAGCATCTTCGA
CAGTCTTCTTTGAGATACCTGATGATGTACCTCTGCCAGCAGGTTGGGAGATGGCAAAGACATCTTCT
GGTCAGAGATACTTCTTAAATCACATCGATCAGACAACAACATGGCAGGACCCAGGAAGGCCATGCTG
TCCCAGATGAACGTCACAGCCCCACCAGTCCACCAGTGCAGCAGAATATGATGAACTCGGCTTCAGCC
ATGAACAGAGAATCAGTCAGAGTGCTCCAGTGAACAGCCACCACCCCTGGCTCCCGAGAGCCACAG
GGAGGCGTCATGGGTGGCAGCAACTCCAACCAGCAGCAACAGATGCGACTGCAGCAACTGCAGATGGAG
AAGGAGAGGCTGCGGCTGAAACAGCAAGAACTGCTTCGGCAGGAGTTAGCCCTGCGTAGCCAGTTACCA
ACACTGGAGCAGGATGGTGGGACTCAAAATCCAGTGTCTTCTCCGGGATGTCTCAGGAATTGAGAACA
ATGACGACCAATAGCTCAGATCCTTCCCTAACAGTGGCACCTATCACTCTCGAGATGAGAGTACAGAC
AGTGGACTAAGCATGAGCAGCTACAGTGTCCCTCGAACCCAGATGACTTCTGAACAGTGTGGATGAG
ATGGATACAGGTGATACTATCAACCAAAGCACCCTGCCCTCACAGCAGAACCCTTCCAGACTACCTT
GAAGCCATTCTGGGACAAATGTGGACCTTGAACACTGGAAGGAGATGGAATGAACATAGAAGGAGAG
GAGCTGATGCCAAGTCTGCAGGAAGCTTTGAGTTCTGACATCCTTAATGACATGGAGTCTGTTTTGGCT
GCCACCAAGCTAGATAAAGAAAGCTTTCTTACATGGTTA
ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAAAC
```



[View online »](#)

Protein Sequence: >Peptide sequence encoded by RG238320
 Blue=ORF Red=Cloning site Green=Tag(s)

MDPGQQPPQPAPQGGQPPSQPPQGGPPSGPGQPAPAATQAAPQAPPAGHQIVHVRGDSETDLEALF
 NAVMNPKTANVPQTVPMRLRKLPDFSFKPPEPKSHSRQASTDAGTAGALTPQHVRHSSPASLQLGAVS
 PGTLTPTGVVSGPAATPTAHLRQSSFEIPDDVPLPAGWEMAKTSSGQRYFLNHIDQTTTWQDPRKAML
 SQMNVTAPTSPPVQONMNSASAMNQRISQAPVKQPPPLAPQSPQGGVMGGSNSNQQQMRLQQLQME
 KERLRLLKQQLRQELALRSQLEPTLEQDGGTQNPVSSPGMSQELRTMTTNSSDPFLNSGTYHSRDESTD
 SGLSMSSYSVPRTPDDFLNSVDEMDTGDITINQSTLPSQQNRFDPDYLEAIPGTNVDLGTLEGDMNIEGE
 ELMPSLQEALSSDILNDMESVLAATKLDKESFTWL
TRTRPLEMESDESGLPAMEIECRITGTLNGVEFELVGGGEGTPEQGRMTNKMSTKGALTFSPYLLSHV
 MGYGFYHFGTYPSGYENPFLHAINNGGYNTRIEKYEDGGVLHVSFSYRYEAGRVIGDFKVMGTGFPEP
 SVIFTDKIIRSNATVEHLHPMGDNDLDGSFTRTFSLRDGGYSSVVDSHMHFKSAIHPSILQNGGPMFA
 FRRVEEDHSNTELGIVEYQHAFKTPDADAGEERV

Restriction Sites: SgfI-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).

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

RefSeq Size: 5246 bp

RefSeq ORF: 1365 bp

Locus ID: 10413

UniProt ID: [P46937](#)

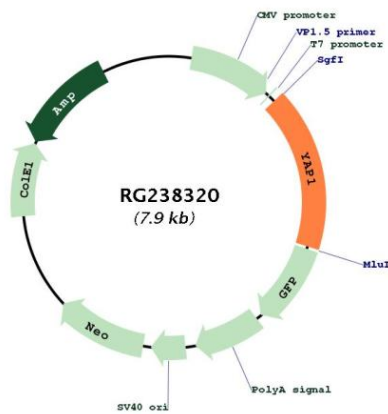
Cytogenetics: 11q22.1

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 RG238320