

## Product datasheet for **RG238419**

### YAP1 (NM\_001282099) Human Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	YAP1 (NM_001282099) 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:	>RG238419 representing NM_001282099. Blue=ORF Red=Cloning site Green=Tag(s)

```
GCTCGTTTGTAGTGAACCGTCAGAATTTTGTAAACGACTCACTATAGGGCGGCCGGGAATTCGTGACTG
GATCCGGTACCGAGGAGATCTGCCGCCCGCATCGCC
ATGGATCCCGGGCAGCAGCCGCCCTCAACCGGCCCCAGGGCCAAGGGCAGCCGCTTCGACGCC
CCGCAGGGGCAGGGCCCGCTCCGGACCCGGGCAACCGGCACCCCGCGGACCCAGGCGGCCCGCAG
GCACCCCGCCGGGCATCAGATCGTGCACGTCCGCGGGACTCGGAGACCGACCTGGAGGCGCTTTC
AACGCCGTCATGAACCCCAAGACGGCCAACGTGCCCCAGACCGTCCCATGAGGCTCCGGAAGCTGCC
GACTCCTTCTTCAAGCCCGGAGCCAAATCCCCTCCGACAGGCCAGTACTGATGCAGGCATGCA
GGAGCCCTGACTCCACAGCATGTTGAGGCTCATTCTCTCCAGCTTCTCTGCAGTTGGGAGCTGTTTCT
CCTGGGACTGACCCCACTGGAGTAGTCTCTGGCCAGCAGCTACCCACAGCTCAGCATCTTCGA
CAGTCTTCTTTGAGATACCTGATGATGTACCTCTGCCAGCAGGTTGGGAGATGGCAAAGACATCTTCT
GGTCAGAGATACTTCTTAAATCACATCGATCAGACAACAACATGGCAGGACCCAGGAAGGCCATGCTG
TCCAGATGAACGTCACAGCCCCACCAGTCCACCAGTGCAGCAGAATATGATGAACTCGGCTTCAGCC
ATGAACAGAGAATCAGTCAGAGTGCTCCAGTGAACAGCCACCACCCCTGGCTCCCGAGAGCCACAG
GGAGGCGTCATGGGTGGCAGCAACTCCAACCAGCAGCAACAGATGCGACTGCAGCAACTGCAGATGGAG
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AATCCCAGCACAGCAAATCTCCAAAATGTCAGGAGTTAGCCCTGCGTAGCCAGTTACCAACACTGGAG
CAGGATGGTGGGACTCAAATCCAGTGTCTTCTCCGGGATGTCTCAGGAATTGAGAACAATGACGACC
AATAGCTCAGATCCTTCTTAAACAGTGGCACCTATCACTCTCGAGATGAGAGTACAGACAGTGGACTA
AGCATGAGCAGCTACAGTGTCCCTCGAACCCAGATGACTTCTGAACAGTGTGGATGAGATGGATAACA
GGTGATACTATCAACCAAGCACCTGCCCTCACAGCAGAACCGTTTCCAGACTACCTGAAGCCATT
CCTGGGACAAATGTGGACCTTGGAACTGGAAGGAGATGGAATGAACATAGAAGGAGAGGAGCTGATG
CCAAGTCTGCAGGAAGCTTTGAGTCTGACATCCTTAATGACATGGAGTCTGTTTGGCTGCCACCAAG
CTAGATAAAGAAAGCTTTCTTACATGGTTA
ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTAAAC
```



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**Protein Sequence:** >Peptide sequence encoded by RG238419  
 Blue=ORF Red=Cloning site Green=Tag(s)

MDPGQQPPQPAPQGGQPPSQPPQGGPPSGPGQPAPAATQAAPQAPPAGHQIVHVRGDSETDLEALF  
 NAVMNPKTANVPQTVPMRLRKLPDFSFKPPEPKSHSRQASTDAGTAGALTPQHVRHSSPASLQLGAVS  
 PGTLTPTGVVSGPAATPTAHLRQSSFEIPDDVPLPAGWEMAKTSSGQRYFLNHIDQTTTWQDPRKAML  
 SQMNVTAPTSPPVQQNMMNSASAMNQRISQSAPVKQPPPLAPQSPQGGVMGGSNSNQQQMRLQQLQME  
 KERLRLLKQQELLRQVRPQAMRNINPSTANSPKCQELALRSQLPTLEQDGGTQNPVSSPGMSQELRTMTT  
 NSSDPFLNSGTYHSRDESTDSGLSMSSYSVPRTPDDFLNSVDEMDTGDTINQSTLPSQQNRFPDYLEAI  
 PGTNVDLGTLEGDMNIEGEEMLPSLQEALSSDILNDMESVLAATKLDKESFTWL  
**TRTRPLEMESDESGLPAMEIECRITGTLNGVEFELVGGEGTPEQGRMTNKMSTKGALTFSPYLLSHV**  
 MGYGFYHFGTYPSGYENPFLHAINNGGYNTRIEKYEDGGVLHVSFSYRYEAGRVIGDFKVMGTGFPED  
 SVIFTDKIIRSNATVEHLHPMGDNDLDGSFTRTFLRDGGYSSVVDSHMHFKSAIHPSILQNGGPMFA  
 FRRVEEDHSNTELGIVEYQHAFKTPDADAGEERV

**Restriction Sites:** SgfI-MluI

**Cloning Scheme:**



**ACCN:** NM\_001282099

**ORF Size:** 1410 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\\_001282099.1](#), [NP\\_001269028.1](#)

RefSeq Size: 5294 bp

RefSeq ORF: 1413 bp

Locus ID: 10413

UniProt ID: [P46937](#)

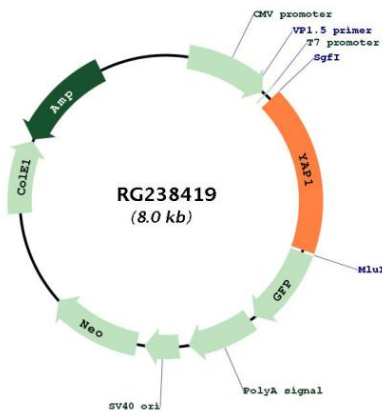
Cytogenetics: 11q22.1

Protein Families: Druggable Genome

MW: 50.9 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 RG238419