

Product datasheet for **RG238545**

YAP1 (NM_001282100) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	YAP1 (NM_001282100) 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)



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ORF Nucleotide Sequence:

>RG238545 representing NM_001282100.
 Blue=ORF Red=Cloning site Green=Tag(s)

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GCTCGTTTAGTGAACCGTCAGAATTTTGTAAACGACTCACTATAGGGCGGCCGGGAATTCGTGACTG
GATCCGGTACCGAGGAGATCTGCCGCCCGCATCGCC
ATGGATCCCGGGCAGCAGCCGCCCTCAACCGGCCCCAGGGCCAAGGGCAGCCGCCTTCGAGCCC
CCGCAGGGGCAGGGCCCGCCGCTCCGGACCCGGCAACCCGGCACCCGCGGCGACCCAGGGCGCCGCAG
GCACCCCGCCGGGCATCAGATCGTGACGTCCGCGGGGACTCGGAGACCGACCTGGAGGCGCTCTTC
AACGCCGTCATGAACCCCAAGACGGCCAACGTGCCCCAGACCGTGCCCATGAGGCTCCGGAAGCTGCC
GACTCCTTCTTCAAGCCGCCGAGCCAAATCCCCTCCGACAGGCCAGTACTGATGCAGGCACTGCA
GGAGCCCTGACTCCACAGCATGTTTCGAGCTCATTCTCTCCAGCTTCTCTGCAGTTGGGAGCTGTTTCT
CCTGGGACTGACCCCACTGGAGTAGTCTCTGGCCAGCAGCTACACCCACAGCTCAGCATCTTCGA
CAGTCTTCTTTGAGATACCTGATGATGTACCTCTGCCAGCAGGTTGGGAGATGGCAAAGACATCTTCT
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TCCAGATGAACGTCACAGCCCAACCAGTCCACCAGTGCAGCAGAATATGATGAACTCGGCTTCAGGT
CCTCTTCTGATGGATGGAAACAAGCCATGACTCAGGATGGAGAAATTTACTATATAAACCAATAAGAAC
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GCTCCAGTGAAACAGCCACCACCCTGGCTCCCGAGGCCACAGGGAGGCGTCATGGGTGGCAGCAAC
TCCAACCAGCAGCAACAGATGCGACTGCAGCAACTGCAGATGGAGAAGGAGAGGCTGCGGCTGAAACAG
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GATGGTGGGACTCAAAATCCAGTGTCTTCTCCGGGATGTCTCAGGAATTGAGAACAATGACGACCAAT
AGCTCAGATCCTTTCTTAAACAGTGGCACCTATCACTCTCGAGATGAGAGTACAGACAGTGGACTAAGC
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GATACTATCAACCAAGCACCTGCCCTCAGCAGACAACCGTTTTCCAGACTACCTTGAAGCCATTCTT
GGGACAAATGTGACCTTGAACACTGGAAGGAGATGGAATGAACATAGAAGGAGAGGAGCTGATGCCA
AGTCTGCAGGAAGCTTTGAGTTCTGACATCCTTAATGACATGGAGTCTGTTTTGGCTGCCACCAAGCTA
GATAAAGAAAGCTTTCTTACATGGTTA
ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTAAAC
```

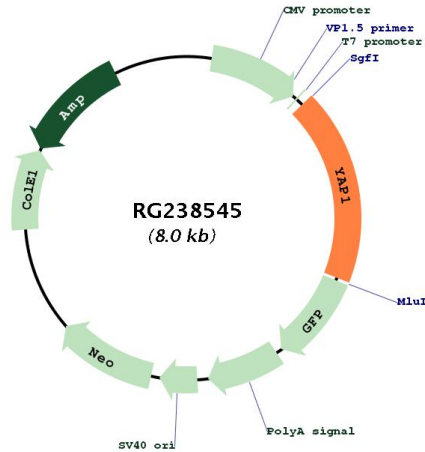
Protein Sequence:

>Peptide sequence encoded by RG238545
 Blue=ORF Red=Cloning site Green=Tag(s)

```
MDPGQQPPQPAPQGGQPPSQPPQGGPPSGPQPAPAATQAAPQAPPAGHQIVHVRGDSETDLEALF
NAVMNPKTANVPQTVPMRLRKLPSDFFKPPEPKSHSRQASTDAGTAGALTPQHVRHSSPASLQLGAVS
PGTLTPTGVVSGPAATPTAHLRQSSFEIPDDVPLPAGWEMAKTSSGQRYFLNHIDQTTTWDPRKAML
SQMNVTAPTSPPVQONMMNSASGPLPDGWEQAMTQDGEIYYINHNKNTTSLWDPRLDPRFAMNQRISSQ
APVKQPPPLAPQSPQGGVMGGSNSNQQQMRLQQLQMEKERLRKQQLLRQVRPQELALRSQPLTLEQ
DGGTQNPVSSPGMSQELRTMTTNSDPFLNSGTYHSRDESTDSGLSMSSYSVPRTPDDFLNSVDMDTG
DTINQSTLPSQQNRPDYLEAIPGTNVDLGTLEGDMNIEGEEELMPSLQEALSSDILNDMESVLAATKL
DKESFLTWL
TRTRPLEMESDESGLPAMEIECRITGTLNGVEFELVGGEGTPEQGRMTNKMSTKGALTFSPYLLSHV
MGYGFYHFGTYPSTYENPFLHAINNGGYNTRIEKYEDGGVLHVSFSYRYEAGRVIGDFKVMGTGFPED
SVIFTDKIIRSNATVEHLHPMGDNDLDGSFTRTFSLRDGGYSSVVDSHMHFKSAIHPSILQNGGPMFA
FRRVEEDHSNTELGIVEYQHAFKTPDADAGEERV
```

Restriction Sites:

Sgfl-Mlul

Plasmid Map:


ACCN: NM_001282100

ORF Size: 1476 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_001282100.1](#), [NP_001269029.1](#)

RefSeq Size: 5360 bp

RefSeq ORF: 1479 bp

Locus ID: 10413

UniProt ID: [P46937](#)

Cytogenetics: 11q22.1

Protein Families: Druggable Genome

MW: 53.7 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]