

Product datasheet for **RG230803**

YAP1 (NM_001195045) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	YAP1 (NM_001195045) 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:	>NM_001195045 ORF sequence, RG230803 may differ due to SNPs. Blue=ORF Red=Cloning site Green=Tag(s)

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GCTCGTTTGTAGTGAACCGTCAGAATTTTGTAAACGACTCACTATAGGGCGCCGGGAATTCGTGACTG
GATCCGGTACCGAGGAGATCTGCCGCCGCGATCGCC
ATGGCAAAGACATCTTCTGGTCAGAGATACTTCTTAAATCACATCGATCAGACAACAACATGGCAGGAC
CCCAGGAAGGCCATGCTGTCCCAGATGAACGTCACAGCCCCACCAGTCCACCAGTGCAGCAGAATATG
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CTTGAACACTGGAAGGAGATGGAATGAACATAGAAGGAGAGGAGCTGATGCCAAGTCTGCAGGAAGCT
TTGAGTTCTGACATCCTTAATGACATGGAGTCTGTTTTGGCTGCCACCAAGCTAGATAAAGAAAGCTTT
CTTACATGGTTA
ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAAAC
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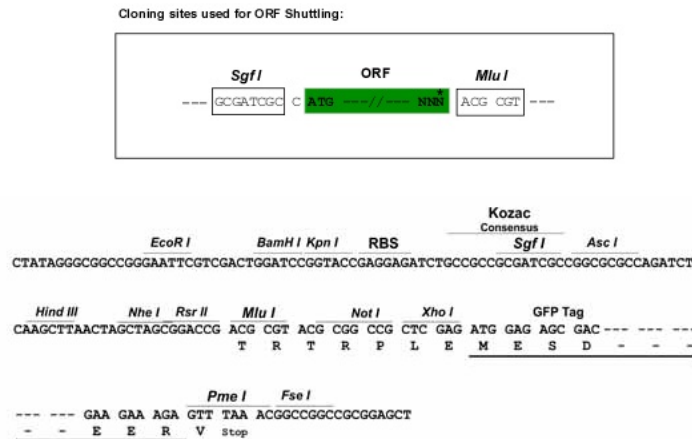
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Protein Sequence: >Peptide sequence encoded by RG230803
 Blue=ORF Red=Cloning site Green=Tag(s)

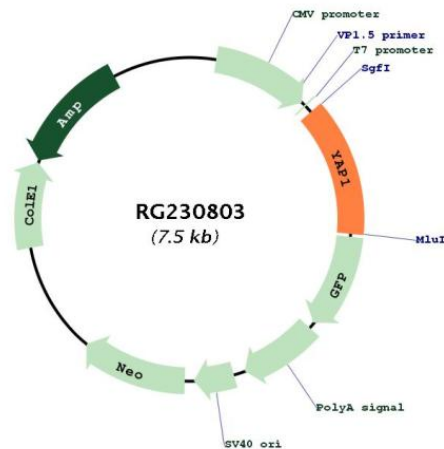
MAKTSSGQRYFLNHIDQTTTWQDPRKAMLSQMNVTAPTSPPVQQNMNSASGPLPDGWEQAMTQDGEIY
 YINHKNKTTSWLDPRLDPRFAMNQRI SQSAPVKQPPPLAPQSPQGGVMGGSNSNQQQMRLQQLQMEKE
 RLRLKQQELLRQAMRNINPSTANSPKQELALRSQLPTLEQDGGTQNPVSSPGMSQELRTMTTNSDDPF
 LNSGTYHSRDESTDGLSMSSYSVPRTPDFLNSVDEMDTGDITINQSTLPSQQNRFDPYLEAIPGTNVD
 LGTLEGDGMNIEGELMPSLQEALSSDILNDMESVLAATKLDKESFLTWL
 TRTRPLEMESDESGLPAMEIECRITGTLNGVEFELVGGGEGTPEQGRMTNKMSTKGALTFSPYLLSHV
 MGYGFYHFGTYPSTYENPFLHAINNGGYTNTRIEKYEDGGVLHVSFSYRYEAGRVIGDFKVMGTGFPEP
 SVIFTDKIIRSNATVEHLHPMGDNDLDGSFTRTFSLRDGGYSSVVDSHMHFKSAIHPSILQNGGPMFA
 FRRVEEDHSNTELGIVEYQHAFKTPDADAGEERV

Restriction Sites: SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM_001195045

ORF Size:	978 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:	<ol style="list-style-type: none">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_001195045.2
RefSeq Size:	4976 bp
RefSeq ORF:	981 bp
Locus ID:	10413
UniProt ID:	P46937
Cytogenetics:	11q22.1
Protein Families:	Druggable Genome
MW:	36.2 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]