

Product datasheet for **MG226049**

Yap1 (NM_001171147) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Yap1 (NM_001171147) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Yap1
Synonyms:	AI325207; Y; Yap; Yap65; Yk; Yki; yor; Yorkie
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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ORF Nucleotide Sequence:

>MG226049 representing NM_001171147
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGGAGCCCGCGCAACAGCCGCCGCCAGCCGGCCCCGCAAGGCCCGCGCCCGCTCCGTGTCTCCGG
 CCGGGACCCCGCGGCCCGCCCGACCCCGCGGCCACCAGTTCGTGCACGTCGCGGGGACTCGGA
 GACCGACTTGGAGGCGCTCTTCAATGCCGTCATGAACCCCAAGACGGCCAACGTGCCTCAGACCGTGCC
 ATGCGGCTTCGCAAGCTGCCGACTCCTTCTTCAAGCCGCTGAGCCCAAGTCCCACTCGCGACAGGCCA
 GTACTGATGCAGGTACTGCGGGAGCTCTGACTCCACAGCATGTTTCGAGCTCACTCCTCTCCAGCCTCCCT
 GCAGCTGGGTGCCGTTTCTCTGGGACACTCACAGCCAGTGGCGTTGTCTCTGGCCCTGCCGCTGCCCT
 GCAGCTCAGCATCTCCGGCAGTCTCCTTTGAGATCCCTGATGATGTACCACTGCCAGCAGGCTGGGAGA
 TGGCCAAGACATCTTCTGGTCAAAGATACTTCTTAAATACAACGATCAGACAACAACATGCCAGGACCC
 CCGGAAGGCCATGCTTTCGCAACTGAACGTTCTGCGCCTGCCAGCCAGCGGTGCCCGAGCAGCTGATG
 AATTCTGCCTCAGGACCTTCTCTGATGGATGGGAGCAAGCCATGACTCAGGATGGAGAAGTTTACTACA
 TAAACCATAAGAACAAGACCACATCCTGGCTGGACCCAAGGCTGGACCCTCGTTTTGCCATGAACCAGAG
 GATCACTCAGAGTGCTCCAGTGAAGCAGCCCCACCCTTGGCTCCCCAGAGCCCACAGGGAGGCGTCCCTG
 GGTGGAGGCAGTTCACACCAGCAGCAGCAAATACAGCTGCAGCAGTTACAGATGGAGAAGGAGAGACTGC
 GGTTGAAACAACAGGAATATTTTCGGCAGGCAATACGGAATATCAATCCCAGCACAGCAAATGCTCCAAA
 ATGTCAGGAATTAGCTCTGCGCAGCCAGTTGCCTACACTGGAGCAGGATGGAGGGACTCCGAATGCAGTG
 TCTTCTCTGGGATGTCTCAGGAATTGAGAACAATGACAACCAATAGTTCCGATCCCTTTCTAACAGTG
 GCACATCACTCTCGAGATGAGAGCACAGCAGCGGCCCTCAGCATGAGCAGCTACAGCATCCCTCGGAC
 CCCAGACGACTTCTCAACAGTGTGGATGAAATGGATACAGGAGACACCATCAGCCAAGCACCCCTGCCG
 TCACAGCAGAGCCGCTTCCCGACTACCTGGAAGCCCTCCTGGGACAAATGTGGACCTTGGCACACTGG
 AAGGAGATGCAATGAACATAGAAGGGGAGGAGCTGATGCCAGTCTGCAGGAAGCGCTGAGTTCGAAAT
 CTTGGACGTGGAGTCTGTGTTGGCTGCCACCAAGCTAGATAAAGAAAGCTTTCTCACGTGGTTA

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence:

>MG226049 representing NM_001171147
 Red=Cloning site Green=Tags(s)

MEPAQQPPPQPAPQGPAPPSVSPAGTPAAPPAPPAGHQVVHVRGDSETDLEALFNAVMPKNTANVPQTVP
 MRLRKL PDSFFKPPPEPKSHSRQASTDAGTAGALTPQHVAHSSPASPQLGAVSPGTLTASGVVSGPAAAP
 AAQHLRQSSFEIPDDVPLPAGWEMAKTSSGQRYFLNHNDQTTTWQDPRKAMLSQLNVPAPASPAVPQTLM
 NSASGPLPDGWEQAMTQDGEVYYINHKNKTTSWLDPRLDPRFAMNQRIQTSAPVKQPPPLAPQSPQGGVL
 GGGSSNQQQIQLQLQMEKERLRKQQELFRQAIRNINPSTANAPKCEALALRSQLPTLEQDGGTPNAV
 SSPGMSQELRTMTNSSDPFLNSGTYHSRDESTDSSLMSYSYIPRTPDDFLNSVDEMDTGDTISQSTLP
 SQQSRFPDYLEALPGTNVDLGTLEGDAMNIEGELMPSLQEALSSEILDVESVLAATKLDKESFTWL

TRTRPLE - GFP Tag - V

Restriction Sites:

Sgfl-MluI

Cloning Scheme:


ACCN: NM_001171147

ORF Size: 1464 bp

OTI Disclaimer: Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in E. coli are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA can be purchased from OriGene with batch-specific, full-sequence verification at a reduced cost. Please contact our customer care team at custsupport@origene.com or by calling 301.340.3188 option 3 for pricing and delivery.

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.

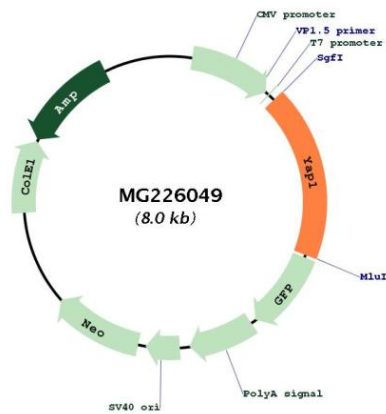
Components: The ORF clone is ion-exchange column purified and shipped in a 2D barcoded Matrix tube containing 10ug of transfection-ready, dried plasmid DNA (reconstitute with 100 ul of water).

- 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_001171147.1, NP_001164618.1](#)
RefSeq Size: 4200 bp
RefSeq ORF: 1467 bp
Locus ID: 22601
UniProt ID: [P46938](#)
Cytogenetics: 9 A1

Gene Summary: This gene encodes a protein which binds to the SH3 domain of the Yes proto-oncogene product, a tyrosine kinase. This protein contains a WW domain, consisting of four conserved aromatic amino acids including two tryptophan residues. This conserved WW domain is found in various structural, regulatory and signaling molecules in various species, and may play a role in protein-protein interaction. Following cellular damage, phosphorylation of this encoded protein may suppress apoptosis. This protein may be involved in malignant transformation in cancer. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Jan 2010]

Product images:



Circular map for MG226049