

Product datasheet for **MC216427**

Yap1 (NM_009534) Mouse Untagged Clone

Product data:

| | |
|---------------------------|---|
| Product Type: | Expression Plasmids |
| Product Name: | Yap1 (NM_009534) Mouse Untagged Clone |
| Tag: | Tag Free |
| Symbol: | Yap1 |
| Synonyms: | AI325207; Y; Yap; Yap65; Yk; Yki; yor; Yorkie |
| Mammalian Cell Selection: | Neomycin |
| Vector: | pCMV6-Entry (PS100001) |
| E. coli Selection: | Kanamycin (25 ug/mL) |



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Fully Sequenced ORF: >MC216427 representing NM_009534
 Red=Cloning site Blue=ORF

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGGAGCCCGCGCAACAGCCGCCGCCAGCCGGCCCCGCAAGGCCCGCGCCCGCTCCGTGTCTCCGG
 CCGGGACCCCGCGGCCCGCCGACCCCGGCCGCCACCAGGTCGTGCACGTCCGCGGGACTCGGA
 GACCGACTTGGAGGCGCTCTTCAATGCCGTCATGAACCCCAAGACGGCCAACGTGCCTCAGACCGTGCC
 ATGCGGCTTCGCAAGCTGCCGACTCCTTCTTCAAGCCGCTGAGCCCAAGTCCCACTCGCGACAGGCCA
 GTACTGATGCAGGTACTGCGGGAGCTCTGACTCCACAGCATGTTGAGCTCACTCCTCTCCAGCCTCCCT
 GCAGCTGGGTGCCGTTTCTCTGGGACACTCACAGCCAGTGCGGTTGTCTCTGGCCCTGCCGCTGCCCT
 GCAGCTCAGCATCTCCGGCAGTCTCTTTGAGATCCCTGATGATGTACCACTGCCAGCAGGCTGGGAGA
 TGGCCAAGACATCTTCTGGTCAAAGATACTTCTTAAATACAACGATCAGACAACAACATGGCAGGACCC
 CCGGAAGGCCATGCTTTCGCAACTGAACGTTCTGCGCCTGCCAGCCAGCGGTGCCCGAGCAGCTGATG
 AATTCTGCCTCAGGACCTTCTCTGATGGATGGGAGCAAGCCATGACTCAGGATGGAGAAGTTTACTACA
 TAAACCATAAGAACAAGACCACATCCTGGCTGGACCCAAGGCTGGACCCTCGTTTTGCCATGAACCAGAG
 GATCACTCAGAGTGCTCCAGTGAAGCAGCCCCACCCTTGGCTCCCCAGAGCCCACAGGGAGGCGTCCCTG
 GGTGGAGGCAGTTCACACAGCAGCAAATACAGCTGCAGCAGTTACAGATGGAGAAGGAGAGACTGC
 GGTGAAACAACAGGAATATTTTCGGCAGGAATTAGCTCTGCGCAGCCAGTTGCCACACTGGAGCAGGA
 TGGAGGGACTCCGAATGCAGTGTCTTCTCTGGGATGTCTCAGGAATTGAGAACAATGACAACCAATAGT
 TCCGATCCCTTTCTAACAGTGGCACCTATCACTCTCGAGATGAGAGCACAGACAGCGGCCCTCAGCATGA
 GCAGCTACAGCATCCCTCGGACCCAGAGCAGTTCCTCAACAGTGTGGATGAAATGGATACAGGAGAC
 CATCAGCCAAAGCACCTGCGGTACAGCAGAGCCGCTTCCCGACTACCTGGAAGCCCTCCCTGGGACA
 AATGTGGACCTTGGCACACTGGAAGGAGATGCAATGAACATAGAAGGGGAGGAGCTGATGCCAGTCTGC
 AGGAAGCGCTGAGTTCGAAATCTTGGACGTGGAGTCTGTGTTGGCTGCCACCAAGCTAGATAAAGAAAG
 CTTTCTCACGTGGTTATAG

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Chromatograms: https://cdn.origene.com/chromatograms/ja1575_f02.zip

Restriction Sites: SgfI-MluI

ACCN: NM_009534

Insert Size: 1419 bp

OTI Disclaimer: Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).

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_009534.2](#), [NP_033560.1](#)

RefSeq Size: 4115 bp

RefSeq ORF: 1419 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]

Transcript Variant: This variant (2) lacks an alternate in-frame exon in the central coding region, compared to variant 1. The encoded protein (isoform 2) is shorter, compared to isoform 1.