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Product datasheet for MR212130

Yap1 (NM_009534) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Yap1 (NM_009534) Mouse Tagged ORF Clone
Tag:	Myc-DDK
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)

ORF Nucleotide Sequence:

>MR212130 representing NM_009534
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGGAGCCCGCGCAACAGCCGCCGCCCCAGCCGGCCCCGCAAGGCCCCGCGCCGCCGTCCGTGTCTCCGG
CCGGGACCCCCGCGGCCCCGCCCGCACCCCCGGCCGGCCACCAGGTCGTGCACGTCCGCGGGGACTCGGA
GACCGACTTGGAGGCGCTCTTCAATGCCGTCATGAACCCCAAGACGGCCAACGTGCCTCAGACCGTGCCC
ATGCGGCTTCGCAAGCTGCCCGACTCCTTCTTCAAGCCGCCTGAGCCCAAGTCCCACTCGCGACAGGCCA
GTACTGATGCAGGTACTGCGGGAGCTCTGACTCCACAGCATGTTCGAGCTCACTCCTCTCCAGCCTCCCT
GCAGCTGGGTGCCGTTTCTCCTGGGACACTCACAGCCAGTGGCGTTGTCTCTGGCCCTGCCGCTGCCCCT
GCAGCTCAGCATCTCCGGCAGTCCTCCTTTGAGATCCCTGATGATGTACCACTGCCAGCAGGCTGGGAGA
TGGCCAAGACATCTTCTGGTCAAAGATACTTCTTAAATCACAACGATCAGACAACAACATGGCAGGACCC
CCGGAAGGCCATGCTTTCGCAACTGAACGTTCCTGCGCCTGCCAGCCCAGCGGTGCCCCAGACGCTGATG
AATTCTGCCTCAGGACCTCTTCCTGATGGATGGGAGCAAGCCATGACTCAGGATGGAGAAGTTTACTACA
TAAACCATAAGAACAAGACCACATCCTGGCTGGACCCAAGGCTGGACCCTCGTTTTGCCATGAACCAGAG
GATCACTCAGAGTGCTCCAGTGAAGCAGCCCCCACCCTTGGCTCCCCAGAGCCCACAGGGAGGCGTCCTG
GGTGGAGGCAGTTCCAACCAGCAGCAGCAAATACAGCTGCAGCAGTTACAGATGGAGAAGGAGAGACTGC
GGTTGAAACAACAGGAATTATTTCGGCAGGAATTAGCTCTGCGCAGCCAGTTGCCTACACTGGAGCAGGA
TGGAGGGACTCCGAATGCAGTGTCTTCTCCTGGGATGTCTCAGGAATTGAGAACAATGACAACCAATAGT
TCCGATCCCTTTCTTAACAGTGGCACCTATCACTCTCGAGATGAGAGCACAGACAGCGGCCTCAGCATGA
GCAGCTACAGCATCCCTCGGACCCCAGACGACTTCCTCAACAGTGTGGATGAAATGGATACAGGAGACAC
CATCAGCCAAAGCACCCTGCCGTCACAGCAGAGCCGCTTCCCCGACTACCTGGAAGCCCTCCCTGGGACA
AATGTGGACCTTGGCACACTGGAAGGAGATGCAATGAACATAGAAGGGGAGGAGCTGATGCCCAGTCTGC
AGGAAGCGCTGAGTTCCGAAATCTTGGACGTGGAGTCTGTGTTGGCTGCCACCAAGCTAGATAAAGAAAG
CTTTCTCACGTGGTTA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

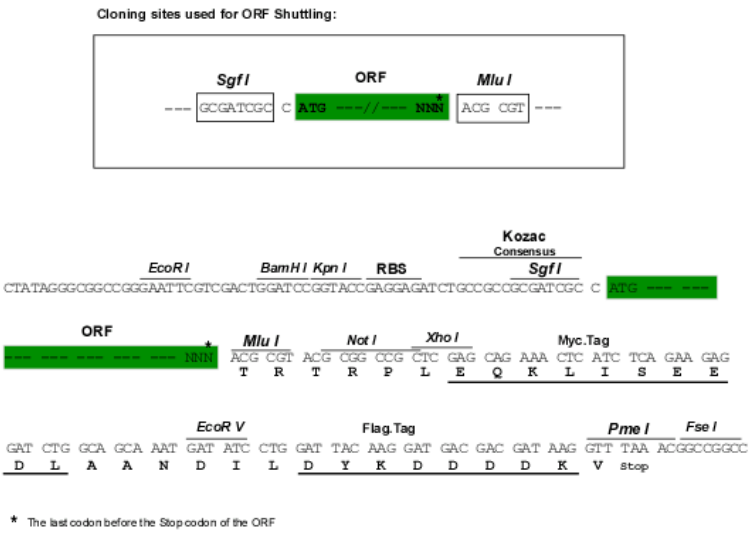
>MR212130 representing NM_009534
Red=Cloning site Green=Tags(s)

MEPAQQPPPQPAPQGPAPPSVSPAGTPAAPPAPPAGHQVVHVRGDSETDLEALFNAVMNPKTANVPQTVP
MRLRKLPDSFFKPPEPKSHSRQASTDAGTAGALTPQHVRAHSSPASLQLGAVSPGTLTASGVVSGPAAAP
AAQHLRQSSFEIPDDVPLPAGWEMAKTSSGQRYFLNHNDQTTTWQDPRKAMLSQLNVPAPASPAVPQTLM
NSASGPLPDGWEQAMTQDGEVYYINHKNKTTSWLDPRLDPRFAMNQRITQSAPVKQPPPLAPQSPQGGVL
GGGSSNQQQQIQLQQLQMEKERLRLKQQELFRQELALRSQLPTLEQDGGTPNAVSSPGMSQELRTMTTNS
SDPFLNSGTYHSRDESTDSGLSMSSYSIPRTPDDFLNSVDEMDTGDTISQSTLPSQQSRFPDYLEALPGT
NVDLGTLEGDAMNIEGEELMPSLQEALSSEILDVESVLAATKLDKESFLTWL

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_009534

ORF Size: 1416 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:
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_009534.3

RefSeq Size: 4115 bp

RefSeq ORF: 1419 bp

Locus ID: 22601

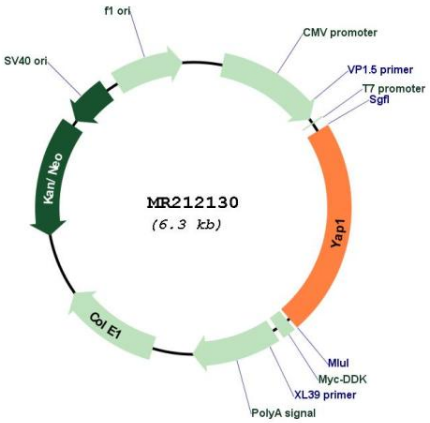
UniProt ID: P46938

Cytogenetics: 9 A1

MW: 51.2 kDa

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 MR212130