

Product datasheet for **MR204437**

Yipf2 (NM_138303) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Yipf2 (NM_138303) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Yipf2
Synonyms:	1300010K09Rik
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>MR204437 ORF sequence Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGCAGCAGCTGACGAAGTGGCCTTCCACGAGTTCGAGGAAGCCACAAATCTTCTGGCAGAGACCCAG
ATGCAGCTACTACTAGCCAAAGTGATGAGCTGACCTCCCGAGAGCACGTGGCTGTGGTTGTGGGTTTCAGG
CATTGGCTATGGAGCTGAAGTAGGGGAGGAAGAGGATGACAAGACATCACTTCTACAGGAAGAAAAACCA
CAGCCCAGATTCTGGACATTTGACTACTATCAGAGCTTTTTTGTGTGGATACCTCCAGGTCTTGGACA
GGATCAAAGGCTCCCTGCTGCCCATCCTGGCCACAACCTTGTGCGGCACCATCTTAGAAACCGTCCCGA
CCTATATGGCCCCCTTCTGGATCTGTGCTACCCTGGCCTTTGTCCTGGCAGTTACTGGCAATCTCACTTTG
GTGCTTGACAGAGACGGGACCCCTCCATTCACTACAGCCCCAGTTCACAAGGTGACCATAGCAGGCA
TCACCATCTACTGCTATGCGTGGCTAGTGCCGCTGGCGCTGTGGGGCTTCTGCGGTGGCGTCAGGGCAC
GAGGGAGCGCATGGGGCTGTACACCTTCTGGAGACAGTCTGTGTCTACGGCTACTCACTTTTGTCTTC
ATCCCTACTGTGGTCTGTGGCTTATCCAGTGCAAGTGGATACAGTGGCTCTTGGAGCCCTGGGCTGG
CCTTGTGACAGCCGGGCTGGTATTCACACTGTGGCTGTGTCCGAGAGGATACACGGCTGGTGGCTGC
GGCACTATTGTCTACTGTGGTGTGCTTACGCCCTCTGGCGCTAGGCTGTAAGCTGTACTTCTCCAG
CCACTGCCTCTGGACCATGTGGTCCAGCACCCCAAGCTACACCTCCATCTCCAATGTCTGCTGCCCA
GTTCAATCCAGCCCATGACAACCTCC

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >MR204437 protein sequence
Red=Cloning site Green=Tags(s)

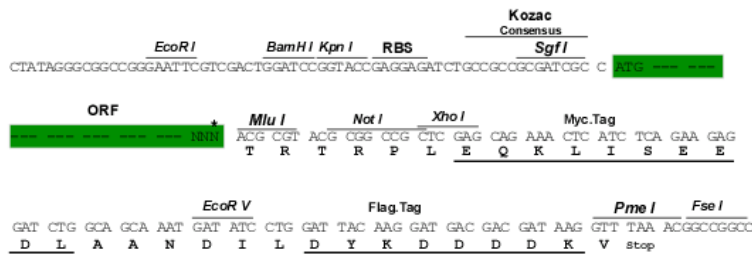
MAAADELAFHEFEEATNLLAETPDAATTSQSDELTSREHVAVVVGSGIGYGAEVGEEEDDKTSLQEEKP
 QPRFWTFDYQSFDDVDTSQVLDRIKGSLPHPGHNFVRHHLRNRPDLYGPFWICATLAFVLAVTGNLTL
 VLAQRDPSTIHYSPQFHKVTIAGITIIYCYAWLVPLALWGLRWRQGTREMRGLYFLETVCVYGYSLFVF
 IPTVVLLWLPVQWIQWLF GALGLALSAAGLVFTLWPVVREDTRLVAAALLSTVLLHALLALGCKLYFFQ
 PLPLDHVVPAPQATPPSPNVLLPSSIQPMTTTS

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI

Cloning Scheme:

Cloning sites used for ORF Shuttling:



* The last codon before the Stop codon of the ORF

ACCN: NM_138303

ORF Size: 939 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_138303.2](#)

RefSeq Size: 2177 bp

RefSeq ORF: 939 bp

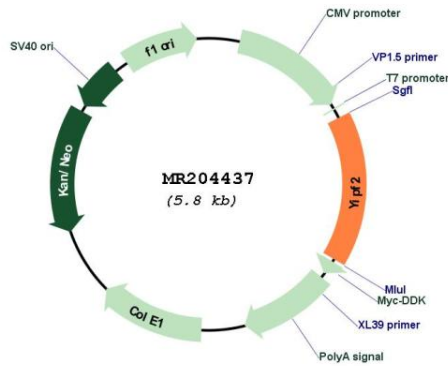
Locus ID: 74766

UniProt ID: [Q99LP8](#)

Cytogenetics: 9 A3

MW: 34.9 kDa

Product images:



Circular map for MR204437