

Product datasheet for **MG204437**

Yipf2 (NM_138303) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Yipf2 (NM_138303) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Yipf2
Synonyms:	1300010K09Rik
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>MG204437 representing NM_138303 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGCAGCAGCTGACGAAGTGGCCTTCCACGAGTTCGAGGAAGCCACAAATCTTCTGGCAGAGACCCAG
ATGCAGCTACTACTAGCCAAAGTGATGAGCTGACCTCCCGAGAGCACGTGGCTGTGGTTGTGGTTTCAGG
CATTGGCTATGGAGCTGAAGTAGGGGAGGAAGAGGATGACAAGACATCACTTCTACAGGAAGAAAAACCA
CAGCCCAGATTCTGGACATTTGACTACTATCAGAGCTTTTTTGTGTGGATACCTCCAGGTCTTGGACA
GGATCAAAGGCTCCCTGCTGCCCATCTGGCCACAACCTTGTGCGGCACCATCTTAGAAACCGTCCCGA
CCTATATGGCCCCCTTCTGGATCTGTGCTACCCTGGCCTTTGTCCTGGCAGTTACTGGCAATCTCACTTTG
GTGCTTGACAGAGACGGGACCCCTCCATTCACTACAGCCCCAGTTCACAAGGTGACCATAGCAGGCA
TCACCATCTACTGCTATGCGTGGCTAGTGCCGCTGGCGCTGTGGGGCTTCTGCGGTGGCGTCAGGGCAC
GAGGGAGCGCATGGGGCTGTACACCTTCTGGAGACAGTCTGTGTCTACGGCTACTCACTTTTGTCTTC
ATCCCTACTGTGGTCTGTGGCTTATCCAGTGCAAGTGGATACAGTGGCTCTTGGAGCCCTGGGCTGG
CCTTGTGACAGCCGGGCTGGTATTCACACTGTGGCCTGTTGTCCGAGAGGATACACGGCTGGTGGCTGC
GGCACTATTGTCTACTGTGGTGTGCTTACGCCCTCTGGCGCTAGGCTGTAAGCTGTACTTCTCCAG
CCACTGCCTCTGGACCATGTGGTCCAGCACCCCAAGCTACACCTCCATCTCCAATGTCTGCTGCCCA
GTTCAATCCAGCCCATGACAACCTCC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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Protein Sequence: >MG204437 representing NM_138303
 Red=Cloning site Green=Tags(s)

MAAADELAFHEFEEATNLLAETPDAAATTSQSDELTSREHVAVVVVGGIGYGAEVGEEEDDKTSLQEEKP
 QPRFWTFDYQSFDDVDTSQVLDRIKGSL LPHPGHNFVRHHLRNRPDLYGPFWICATLAFVLAVTGNLTL
 VLAQRDPSTIHYSPQFHKVTIAGITIIYCYAWLVPLALWGLRWRQGTRERMGLYTFLETVCVYGYSLFVF
 IPTVVLLWLPVQWIQWLF GALGLAL SAAGLVFTLWPVVREDTRLVAAALLSTVLLHALLALGCKLYFFQ
 PLPLDHVVPAPQATPPSPNVLLPSSIQPM TTS

TRTRPLE - GFP Tag - V

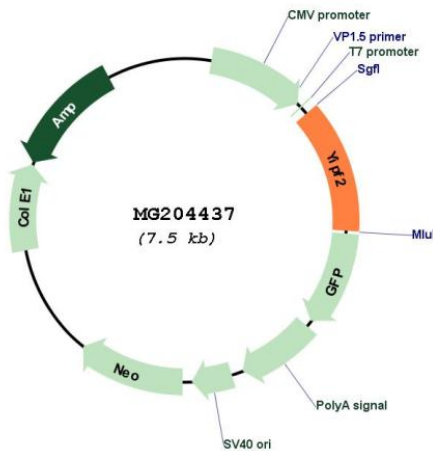
Restriction Sites: SgfI-MluI

Cloning Scheme:

Cloning sites used for ORF Shuttling:



Plasmid Map:



ACCN: NM_138303

ORF Size: 936 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_138303.2
RefSeq Size:	2107 bp
RefSeq ORF:	939 bp
Locus ID:	74766
UniProt ID:	Q99LP8
Cytogenetics:	9 A3