

## Product datasheet for **MG203103**

### Ywhag (NM\_018871) Mouse Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Ywhag (NM_018871) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Ywhag
Synonyms:	14-3-3gamma; D7Bwg1348e
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>MG203103 representing NM_018871 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGGTGGACCGCGAGCAACTGGTGCAGAAAGCCCGGCTGGCCGAGCAGCGGAGCGCTACGACGATATGG  
CCGCGCCATGAAGAACGTGACCGAGCTGAACGAACCACTGTCCAATGAGGAACGGAACCTCCTGTCGGT  
GGCCTACAAGAACGTGGTGGGGCTCGCCGCTCCTCCTGGAGGGTCATCAGCAGCATCGAGCAGAAGACG  
TCTGCGGACGGCAACGAGAAGAAGATCGAGATGGTCCGAGCCTACCGGGAGAAGATCGAGAAGGAGCTGG  
AGGCCGTGTGCCAGGACGTGCTGAGCCTGCTGGACAACCTACCTGATCAAGAACTGCAGCGAGACCCAGTA  
CGAGAGCAAGGTGTTCTACCTGAAGATGAAAGGGGACTATTACCGTTACCTGGCAGAAGTGGCCACCGGG  
GAGAAGAGGGCGACCGTGGTGGAGTCGTCTGAGAAGGCCTACAGCGAAGCCACGAGATCAGCAAGGAGC  
ACATGCAGCCCACCCACCCATCCGGCTGGGCCTGGCGCTCAACTACTCGGTTTTCTACTATGAGATCCA  
GAACGCCCCGGAGCAAGCGTGCCACCTGGCCAAGACCGCCTTCGACGACGCCATCGCCGAGCTCGACT  
CTGAACGAGGACTCCTACAAGGACTCCACTCTGATCATGCAGCTGCTCCGAGACAACCTCACGCTCTGGA  
CGAGCGACCAGCAAGACGACGACGGCGGTGAAGGCAACAAC

**ACGCGT**ACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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**Protein Sequence:** >MG203103 representing NM\_018871  
Red=Cloning site Green=Tags(s)

MVDREQLVQKARLAEQAERYDDMAAMKNVTELENEPLSNEERNLLSVAYKNVVGARRSSWRVISSIEQKT  
 SADGNEKKIEMVRAYREKIEKELEAVCQDVL SLLDNYL IKNCSETQYESKVFYLMKMGDYRYLAEVATG  
 EKRA TVVESSEKAYSEAHEISKEHMQPTHP IRLGLALNYSVFYIEIQNAPEQACHLAKTAFDDAIAELDT  
 LNEDSYKDSTLIMQLLRDNLTLWTSQQDDGGEGNN

TRTRPLE - GFP Tag - V

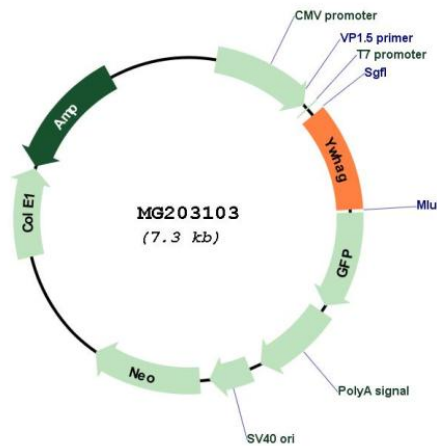
**Restriction Sites:** SgfI-MluI

**Cloning Scheme:**

Cloning sites used for ORF Shutting:



**Plasmid Map:**



**ACCN:** NM\_018871

**ORF Size:** 741 bp

<b>OTI Disclaimer:</b>	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. <a href="#">More info</a>
<b>OTI Annotation:</b>	This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
<b>Components:</b>	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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"><li>1. Centrifuge at 5,000xg for 5min.</li><li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li><li>3. Close the tube and incubate for 10 minutes at room temperature.</li><li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li><li>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.</li></ol>
<b>RefSeq:</b>	<a href="#">NM_018871.3</a>
<b>RefSeq Size:</b>	3510 bp
<b>RefSeq ORF:</b>	744 bp
<b>Locus ID:</b>	22628
<b>UniProt ID:</b>	<a href="#">P61982</a>
<b>Cytogenetics:</b>	5 G2
<b>Gene Summary:</b>	Adapter protein implicated in the regulation of a large spectrum of both general and specialized signaling pathways. Binds to a large number of partners, usually by recognition of a phosphoserine or phosphothreonine motif. Binding generally results in the modulation of the activity of the binding partner.[UniProtKB/Swiss-Prot Function]