

Product datasheet for **MG203064**

Ywhaq (BC106164) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Ywhaq (BC106164) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Ywhaq
Synonyms:	14-3-3theta, RP23-402H11.1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>MG203064 representing BC106164 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGAGAAGACCGAGCTGATCCAGAAGGCCAAGCTGGCCGAGCAGGCCGAGCGCTACGACGACATGGCCA
CCTGCATGAAAGCCGTGACGGAGCAGGGCGCCGAGCTGTCCAACGAGGAGCGCAACCTGCTGTGGTGGC
CTACAAAACGTGGTAGGGGCCGAGGTCGCCTGGAGGGTCATCTCGAGCATTGAGCAGAAGACCGAC
ACCTCTGACAAGAAGTTGCAGCTGATCAAGGACTATCGGGAGAAAGTGGAGTCGGAGCTGAGGTCCATCT
GCACCACGGTCTGGAATTGTTGGATAAGTATTTAATAGCCAATGCAACTAATCCAGAGAGTAAGGTCTT
CTATCTGAAAATGAAGGGAGATTATTTCCGGTATCTTGCTGAAGTAGCTTGTGGCGATGATCGAAAACAA
ACAATAGAAAATCCCAAGGAGCCTACCAAGAGGCGTTTGATATAAGCAAGAAGGAGATGCAACCTACGC
ATCCAATCCGCCTGGGGCTGGCTCTTAACTTTTCTGTATTTACTATGAGATCCTTAATAATCCAGAGCT
TGCTTGCACACTGGCTAAAACGGCTTTTGATGAGGCCATCGCAGAGCTTGATACACTGAACGAAGACTCC
TACAAAGACAGCACCTCATCATGCAGTTGCTTAGAGACAACCTAACATTATGGACATCAGACAGTGCAG
GAGAAGAATGTGATGCAGCAGAGGGGGCCGAAAAC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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Protein Sequence: >MG203064 representing BC106164
Red=Cloning site Green=Tags(s)

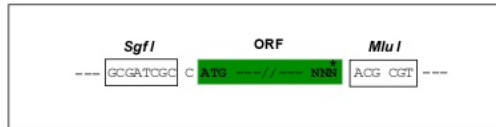
MEKTELIQKAKLAEQAERYDDMATCMKAVTEQGAELSNEERNLLSVAYKNVVGRRSAWRVISSIEQKTD
 TSDKKLQLIKDYREKVESELSICTTVLELLDKYLIANATNPESKVFYLMKMGDYFRYLAEVACGGDRKQ
 TIENSQGAYQEAFDISKKEMQPTHPIRLGLALNFVVFYIEILNNPELACTLAKTAFDEAIAELDTLNEDS
 YKDSTLIMQLLRDNLTLWTSDSAGEECDAAEGAEN

TRTRPLE - GFP Tag - V

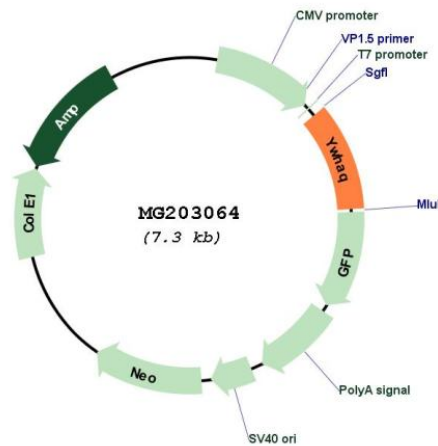
Restriction Sites: SgfI-MluI

Cloning Scheme:

Cloning sites used for ORF Shutting:



Plasmid Map:



ACCN: BC106164

ORF Size: 735 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:	BC106164.1
RefSeq Size:	1492 bp
RefSeq ORF:	737 bp
Locus ID:	22630
Cytogenetics:	12 A1.3
Gene Summary:	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. Negatively regulates the kinase activity of PDPK1 (By similarity).[UniProtKB/Swiss-Prot Function]