

## Product datasheet for **MR203269**

### Ywhae (NM\_009536) Mouse Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Ywhae (NM_009536) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Ywhae
Synonyms:	AU019196
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>MR203269 ORF sequence Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGGATGATCGGGAGGATCTGGTGTACCAGGCGAAGCTGGCAGAGCAGGCCGAGCGATACGACGAAATGG  
TGAATCAATGAAGAAAGTAGCAGGGATGGACGTGGAGCTGACAGTTGAAGAACGAAACCTTTTATCTGT  
TGCATATAAAAAATGTGATTGGAGCCAGAAGAGCATCCTGGAGAATAATCAGCAGCATTGAACAGAAGGAA  
GAAAACAAGGGAGGAGAGGACAAATTAAGATGATTCGGGAGTACCGGCAATGGTTGAAACTGAGCTCA  
AGTTAATCTGTTGTGACATTCTGGATGTACTGGACAAACACCTCATTCCAGCAGCTAACACTGGCGAGTC  
CAAGGTTTTCTATTATAAAATGAAAGGGGACTACCACAGGTATCTGGCTGAGTTTGCCACAGGAAATGAC  
AGGAAGGAGGCAGCAGAGAACAGCCTCGTGGCTTACAAAGCTGCTAGTGACATTGCGATGACAGAACTTC  
CTCCAACGCACCCATTCTGTTAGGTCTTGCTCTCAACTTTTCCGTATTCTACTATGAAATTCTTAATTC  
CCCCGACCGTGCCTGCAGGTTGGCAAAGCAGCTTTTGATGACGCAATTGCAGAACTGGACACGCTGAGT  
GAAGAAAGCTATAAGGACTCTACGCTCATGACAGCTGCTACGTGATAACCTGACGCTGTGGACCTCAG  
ACATGCAGGGTATGGTGAAGAGCAGAATAAAGAAGCGCTGCAGGATGTGGAAGATGAGAATCAG

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA



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**Protein Sequence:** >MR203269 protein sequence  
 Red=Cloning site Green=Tags(s)

MDDREDLVYQAKLAEQAERYDEMVEVSMKKVAGMDVELTVEERNLLSVAYKNVIGARRASWRIISSIEQKE  
 ENKGGEDLKMIREYRQMVETELKLIICDILDVLDKHLIPAANTGESKVFYKMKGDYHRYLAEFATGND  
 RKEAAENSLVAYKAASDIAMTELPPTHPIRLGLALNFSVFYYEILNSPDRACRLAKAAFDDAIAELDTLS  
 EESYKDSLIMQLLRDNLTLWTSMDMQGDGEEQNKEALQDVEDENQ

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\_009536

**ORF Size:** 768 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\\_009536.4](#)

**RefSeq Size:** 2078 bp

**RefSeq ORF:** 768 bp

**Locus ID:** 22627

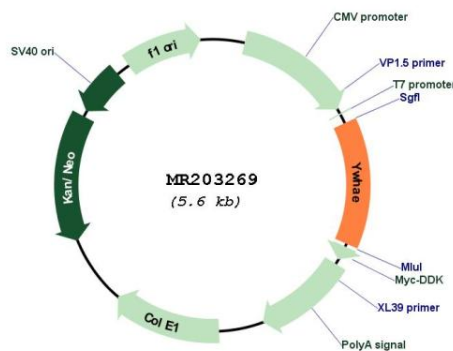
**UniProt ID:** [P62259](#)

**Cytogenetics:** 11 45.92 cM

**MW:** 29.2 kDa

**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. Positively regulates phosphorylated protein HSF1 nuclear export to the cytoplasm.[UniProtKB/Swiss-Prot Function]

### Product images:



Circular map for MR203269