

## Product datasheet for **RR204276**

### Ywhaz (NM\_013011) Rat Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Ywhaz (NM_013011) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Ywhaz
Synonyms:	14-3-3z
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin
ORF Nucleotide Sequence:	>RR204276 representing NM_013011 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGGATAAAAATGAGCTGGTGCAGAAGGCCAAGCTGGCCGAGCAGGCAGAGCGATACGATGACATGGCAG  
CCTGCATGAAGTCTGTCCTGACTGAGCAAGGAGCCGAGCTGTCTAACGAGGAGAGAACCTTCTCTGTTGC  
TTATAAAAACGTTGTAGGAGCCCGTAGGTCATCTTGGAGGGTCGTCTCGAGTATTGAGCAGAAGACGGAA  
GGTGTGAGAAAAAGCAGCAGATGGCTCGAGAATACAGAGAGAAGATCGAGACGGAGCTGAGGGACATCT  
GCAACGACGTACTGTCTCTTTTGAAAAAGTTCTTGATCCCAATGCTTCGCAGCCAGAAAGCAAAGTCTT  
CTATTTGAAAAATGAAGGGTGACTACTACCGCTACTTGGCTGAGGTTGCTGCTGGTGATGACAAGAAAGGA  
ATTGTGGACCAAGTACAGCAAGCATACCAAGAAGCATTGAAATCAGCAAAAAGGAGATGCAGCCGACAC  
ACCCCATCAGACTGGGTCTGGCCCTCAACTTCTCTGTGTTCTACTATGAGATCCTGAACTCCCCAGAGAA  
AGCCTGCTCTCTTGCAAAAACAGCTTTTGATGAAGCCATTGCTGAACTTGATACATTAAGTGAAGAGTCG  
TACAAAGACAGCACGCTAATAATGCAGTTACTGAGAGACAACCTTGACATTGTGGACATCGGATACCCAAG  
GAGACGAAGCAGAAGCGGAGAAGGAGGGGAAAAAT

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA



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**Protein Sequence:** >RR204276 representing NM\_013011  
 Red=Cloning site Green=Tags(s)

MDKNELVQKAKLAEQAERYDDMAACMKSVTEQGAEL SNEERNLLSVAYKNVVGARRSSWRVVSSIEQKTE  
 GAEKKQQMAREYREKIE TELRDICNDVLSLLEKFLIPNASQPE SKVFY LKMKGDYYRYLA EVAAGDDKKG  
 IVDQSQQAYQEAFEISKEMQPTHPIRLGLALNFSVFYYEILNSPEKACSLAKTAFDEAIAELDTLSEES  
 YKDSTLIMQLLRDNLTLWTSDTQGD EAEAGEGGEN

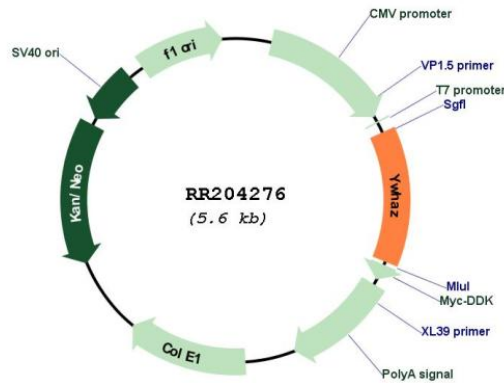
TRTRPLEQKLISEEDLAANDILDYKDDDDKV

**Restriction Sites:** SgfI-MluI

**Cloning Scheme:**



**Plasmid Map:**



**ACCN:** NM\_013011  
**ORF Size:** 735 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_013011.3</a> , <a href="#">NP_037143.2</a>
<b>RefSeq Size:</b>	1815 bp
<b>RefSeq ORF:</b>	738 bp
<b>Locus ID:</b>	25578
<b>UniProt ID:</b>	<a href="#">P63102</a>
<b>Cytogenetics:</b>	7q22
<b>MW:</b>	27.8 kDa
<b>Gene Summary:</b>	30kDa component of the mitochondrial import stimulation factor, a protein complex that facilitates the import of in vitro synthesized precursor proteins into mitochondria [RGD, Feb 2006]