

## Product datasheet for **RR213053**

### Ywhaq (NM\_013053) Rat Tagged ORF Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** Ywhaq (NM\_013053) Rat Tagged ORF Clone  
**Tag:** Myc-DDK  
**Symbol:** Ywhaq  
**Synonyms:** 14-3-3t  
**Vector:** pCMV6-Entry (PS100001)  
**E. coli Selection:** Kanamycin (25 ug/mL)  
**Cell Selection:** Neomycin  
**ORF Nucleotide Sequence:** >RR213053 representing NM\_013053  
**Red=Cloning site Blue=ORF Green=Tags(s)**

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGGAGAAGACCGAGCTGATCCAGAAGGCCAAGCTGGCCGAGCAGGCCGAGCGCTACGACGACATGGCCA  
CCTGCATGAAAGCCGTGACGGAGCAGGGCGCCGAGCTGTCCAACGAGGAGCGCAACCTGCTATCTGTGGC  
CTACAAGAAGCTGGTCGGGGCCGAGGTCGCCCTGGAGGGTCATCTCGAGCATTGAGCAGAAGACCGAT  
ACCTCGGACAAGAAGTTGCAGCTGATCAAGGACTATCGGGAGAAAAGTGGAGTCTGAGCTGAGGTCCATCT  
GCACCACGGTCCCTGGAATTGTTGGATAAGTATTTAATAGCCAATGCAACTAATCCAGAGAGTAAGGTCTT  
CTATCTGAAAAATGAAGGGAGATTATTTCCGGTATCTTGCTGAAGTCGCTTGTGGTGATGATCGAAAAACA  
ACGATAGAAAAATCCCAAGGAGCCTACCAAGAGGCATTTGATATAAGCAAGAAAGAGATGCAACCTACAC  
ATCCGATCCGCTGGGGCTGGCTCTTAACCTTTCTGTATTTACTATGAGATCCTTAATAATCCCGAGCT  
TGCTGCACACTGGCTAAAACGGCTTTTGATGAAGCCATCGCCGAGCTTGATACTGAATGAAGACTCC  
TACAAAGACAGCACCTCATCATGCAGTTGCTTAGAGACAACCTAACATTATGGACATCAGACAGTGCAG  
GAGAAGAATGTGATGCAGCTGAGGGGGCTGAGAAC

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA



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**Protein Sequence:** >RR213053 representing NM\_013053  
Red=Cloning site Green=Tags(s)

MEKTELIQKAKLAEQAERYDDMATCMKAVTEQGAELSNEERNLLSVAYKNVVGRRSAWRVISSIEQKTD  
 TSDKKLQLIKDYREKVESELRSICTTVLELLDKYLIANATNPESKVFYLMKMGDYFRYLAEVACGDDRKQ  
 TIENSQGAYQEAFDISKKEMQPTHPIRLGLALNFSVFYYEILNNPELACTLAKTAFDEAIAELDTLNEDS  
 YKDSTLIMQLLRDNLTLWTSDSAGEECDAAEGAEN

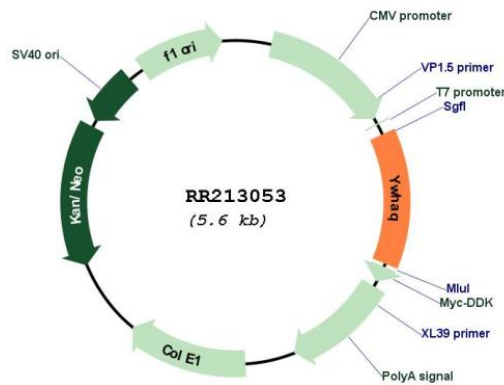
TRTRPLEQKLISEEDLAANDILDYKDDDDKV

**Restriction Sites:** SgfI-MluI

**Cloning Scheme:**



**Plasmid Map:**



**ACCN:** NM\_013053  
**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_013053.1</a> , <a href="#">NP_037185.1</a>
<b>RefSeq Size:</b>	2099 bp
<b>RefSeq ORF:</b>	738 bp
<b>Locus ID:</b>	25577
<b>UniProt ID:</b>	<a href="#">P68255</a>
<b>Cytogenetics:</b>	6q16
<b>MW:</b>	27.8 kDa
<b>Gene Summary:</b>	has an essential role in the brain function [RGD, Feb 2006]