

Product datasheet for **RR213745**

Ywhah (NM_013052) Rat Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Ywhah (NM_013052) Rat Tagged ORF Clone
Tag: Myc-DDK
Symbol: Ywhah
Synonyms: 14-3-3e
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
ORF Nucleotide Sequence: >RR213745 representing NM_013052
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGGGACCGAGAGCAGCTGCTGCAGCGGGCGGACTGGCGGAGCAGGCGGAGCGCTACGACGACATGG
CCTCCGCCATGAAGGCGGTGACAGAGCTGAATGAACCTCTATCTAATGAAGATAGAAATCTCCTCTGT
GGCCTACAAGAAATGTAGTTGGTGCCAGGCGATCTTCTGGAGGGTTATTAGTAGCATTGAGCAGAAAACC
ATGGCAGATGGGAATGAGAAGAAGCTGGAGAAAGTCAAAGCCTATCGGGAGAAGATTGAGAAGGAGCTGG
AGACAGTTTGCAATGATGTCTTGCTCTGCTCGACAAGTTCCTTATCAAGAACTGCAATGATTTTCAGTA
CGAGAGCAAGGTGTTCTACCTGAAAATGAAGGGCGATTACTACCGCTACCTGGCAGAGGTGGCTTCTGGG
GAGAAGAAAAACAGTGTGGTTGAAGCTTCTGAGGCAGCGTATAAGGAAGCCTTCGAAATCAGCAAAGAGC
ACATGCAGCCAACACACCCCATCCGGCTTGGCCTGGCCCTCAATTTTCTGTGTTCTACTATGAGATCCA
GAATGCACCAGAGCAGGCTGCCTCTTAGCCAAACAAGCCTTCGATGATGCTATAGCTGAGCTGGACACA
TTAAACGAGGATTCCTATAAGGACTCCACTCTCATCATGCAGTTGCTGCGAGACAACCTCACCTCTGGA
CGAGCGACCAGCAGGATGAAGAAGCCGGAGAAGGCAAC

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >RR213745 representing NM_013052
 Red=Cloning site Green=Tags(s)

MGDREQLLQRRARLAEQAERYDDMASAMKAVTELNEPLSNEDRNLLSVAYKNVVGARRSSWRVISSIEQKT
 MADGNEKKLEKVKAYREKIEKELETVCNDVLLALLDKFLIKNCNDFQYESKVFYLLKMGDYRYLAEVASG
 EKKNVVEASEAAYKEAFEISKEHMQPHTPIRLGLALNFSVFYYEIQNAPEQAQLLAKQAFDDAIAELDT
 LNEDSYKDSLIMQLLRDNLTLWTSQQDEEAGEGN

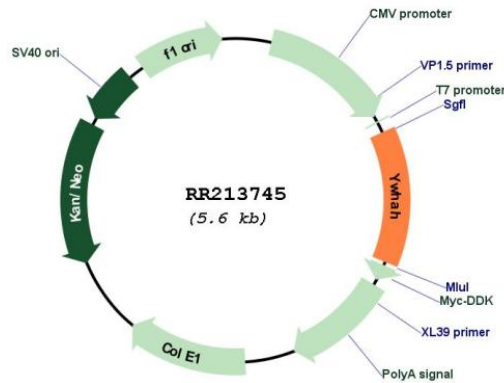
TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM_013052
 ORF Size: 738 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:	NM_013052.1 , NP_037184.1
RefSeq Size:	1689 bp
RefSeq ORF:	741 bp
Locus ID:	25576
UniProt ID:	P68511
Cytogenetics:	14q21
MW:	28.2 kDa
Gene Summary:	belongs to the 14-3-3 family of proteins; mediates signal transduction via activation of protein kinase C and calcium/calmodulin-dependent protein kinase II [RGD, Feb 2006]