

Product datasheet for MR203094

Ywhah (BC008187) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Ywhah (BC008187) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Ywhah
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>MR203094 ORF sequence Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGGGGATCGAGAGCAGCTGCTGCAGCGGGCGGACTGGCGGAGCAGGCGGAGCGCTACGACGATATGG
CCTCCGCCATGAAGGCGGTGACAGAGCTGAATGAACCACTATCTAACGAAGATCGAAATCTCCTCTGT
GGCCTACAAGAAATGTAGTTGGTGCCAGGCGATCTTCTGGAGGGTTATTAGTAGCATTGAGCAGAAAACC
ATGGCAGATGGGAATGAGAAGAAGTTGGAGAAAGTTAAAGCCTACCGGGAGAAGATTGAAAAGGAGCTGG
AGACAGTTTGCAATGATGTCTTGGCTCTGCTTGACAAGTTCCTTATCAAGAACTGCAATGATTTTCAGTA
TGAGAGCAAGGTGTTCTACCTGAAAATGAAGGGGATTACTACCGCTACCTGGCAGAGGTGGCTTCTGGG
GAGAAGAAAAACAGTGTGGTTGAAGCTTCTGAGGCCGCGTATAAGGAAGCCTTCGAAATCAGCAAAGAGC
ACATGCAGCCAACACACCCCATCCGGCTTGGCCTGGCCCTCAATTTTTCTGTGTTCTACTATGAGATCCA
GAATGCACCAGAGCAAGCCTGCCTCTTAGCCAAACAAGCCTTCGATGATGCTATAGCTGAGCTGGACACA
TTAAACGAGGATTCCTATAAGGACTCCACTCTCATGCAGTTGCTGCGAGACAACCTCACCTCTGGA
CGAGCGACCAGCAGGATGAAGAAGCAGGAGAAGGCAAC

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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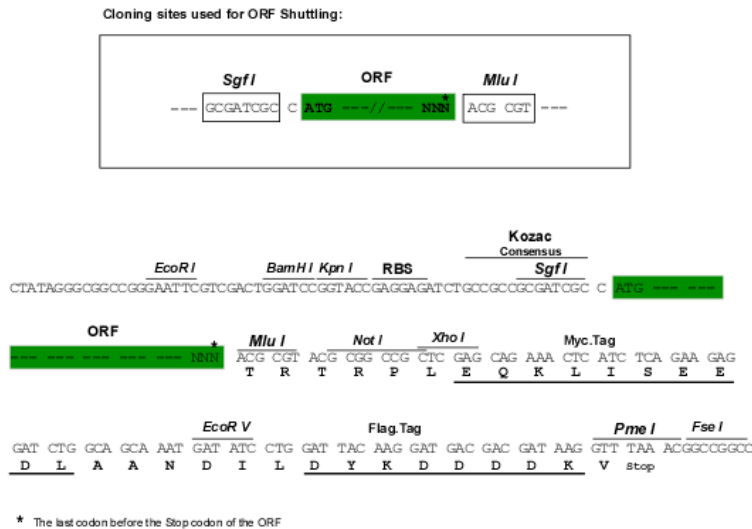
Protein Sequence: >MR203094 protein sequence
 Red=Cloning site Green=Tags(s)

MGDREQLLQRARLAEQAERYDDMASAMKAVTELNEPLSNEDRNLLSVAYKNVVGARRSSWRVISSIEQKT
 MADGNEKKLEKVKAYREKIEKELETVCNDVLLALDKFLIKNCDFQYESKVFYLMKMGDYRYLAEVASG
 EKKNVVEASEAAYKEAFEISKEHMQPTHPIRLGLALNFSVFYYEIQNAPEQAQLLAKQAFDDAIAELDT
 LNEDSYKSTLIMQLLRDNLTLWTSQQDEEAGEGN

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: BC008187

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:

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: [BC008187](#), [AAH08187](#)

RefSeq Size: 1668 bp

RefSeq ORF: 740 bp

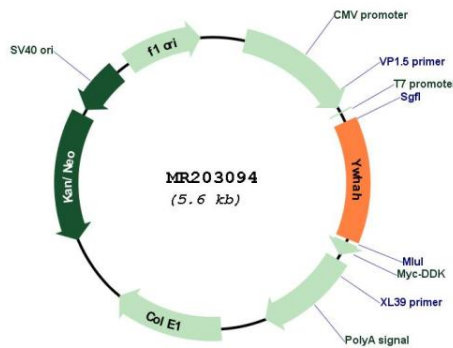
Locus ID: 22629

Cytogenetics: 5 B1

MW: 28.2 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. Negatively regulates the kinase activity of PDPK1 (By similarity).[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MR203094