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Product datasheet for MR203064

Ywhaq (BC106164) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Ywhaq (BC106164) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Ywhaq
Synonyms:	14-3-3theta, RP23-402H11.1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)

ORF Nucleotide Sequence:

>MR203064 ORF sequence
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGGAGAAGACCGAGCTGATCCAGAAGGCCAAGCTGGCCGAGCAGGCCGAGCGCTACGACGACATGGCCA
CCTGCATGAAAGCCGTGACGGAGCAGGGCGCCGAGCTGTCCAACGAGGAGCGCAACCTGCTGTCGGTGGC
CTACAAAAACGTGGTAGGGGGCCGCAGGTCCGCCTGGAGGGTCATCTCGAGCATTGAGCAGAAGACCGAC
ACCTCTGACAAGAAGTTGCAGCTGATCAAGGACTATCGGGAGAAAGTGGAGTCGGAGCTGAGGTCCATCT
GCACCACGGTCCTGGAATTGTTGGATAAGTATTTAATAGCCAATGCAACTAATCCAGAGAGTAAGGTCTT
CTATCTGAAAATGAAGGGAGATTATTTCCGGTATCTTGCTGAAGTAGCTTGTGGCGATGATCGAAAACAA
ACAATAGAAAATTCCCAAGGAGCCTACCAAGAGGCGTTTGATATAAGCAAGAAGGAGATGCAGCCTACGC
ATCCAATCCGCCTGGGGCTGGCTCTTAACTTTTCTGTATTTTACTATGAGATCCTTAATAATCCAGAGCT
TGCCTGCACACTGGCTAAAACGGCTTTTGATGAGGCCATCGCAGAGCTTGATACACTGAACGAAGACTCC
TACAAAGACAGCACCCTCATCATGCAGTTGCTTAGAGACAACTTAACATTATGGACATCAGACAGTGCAG
GAGAAGAATGTGATGCAGCAGAGGGGGCCGAAAAC

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

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Protein Sequence:

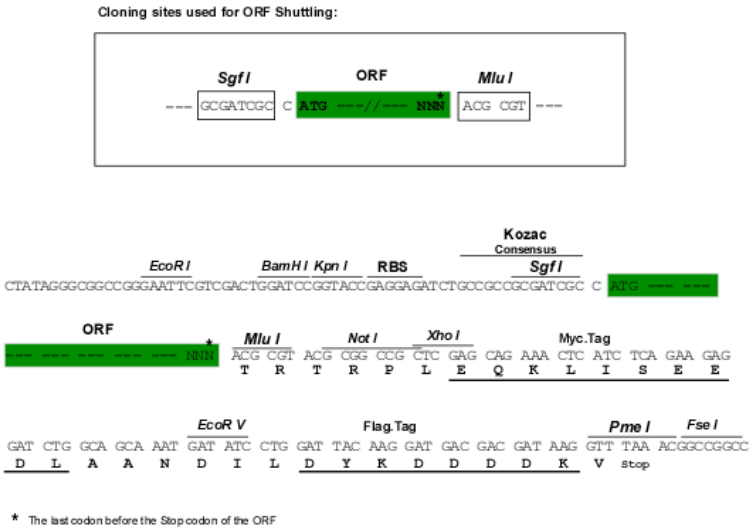
>MR203064 protein sequence
Red=Cloning site Green=Tags(s)

MEKTELIQKAKLAEQAERYDDMATCMKAVTEQGAELSNEERNLLSVAYKNVVGGRRSAWRVISSIEQKTD
TSDKKLQLIKDYREKVESELRSICTTVLELLDKYLIANATNPESKVFYLKMKGDYFRYLAEVACGDDRKQ
TIENSQGAYQEAFDISKKEMQPTHPIRLGLALNFSVFYYEILNNPELACTLAKTAFDEAIAELDTLNEDS
YKDSTLIMQLLRDNLTLWTSDSAGEECDAAEGAEN

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: BC106164

ORF Size: 735 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: BC106164.1

RefSeq Size: 1492 bp

RefSeq ORF: 737 bp

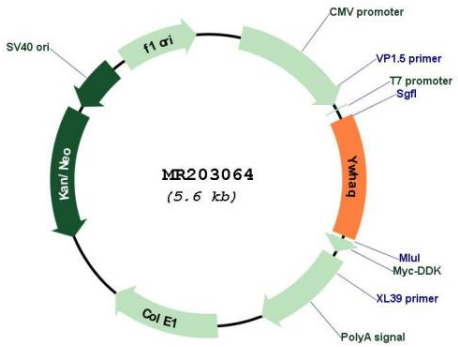
Locus ID: 22630

Cytogenetics: 12 A1.3

MW: 27.8 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 MR203064