

Product datasheet for MR203062

Ywhaq (NM_011739) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Ywhaq (NM_011739) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Ywhaq
Synonyms:	2700028P07Rik; AA409740; AU021156; R74690
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>MR203062 ORF sequence Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCCGATCGCC

ATGGAGAAGACCGAGCTGATCCAGAAGGCCAAGCTGGCCGAGCAGGCCGAGCGCTACGACGACATGGCCA
CCTGCATGAAAGCCGTGACGGAGCAGGGCGCCGAGCTGTCCAACGAGGAGCGCAACCTGCTGCGGTGGC
CTACAAAACGTGGTAGGGGGCCGAGGTCGCCTGGAGGGTCATCTCGAGCATTGAGCAGAAGACCGAC
ACCTCTGACAAGAAGTTGCAGCTGATCAAGGACTATCGGGAGAAAGTGGAGTCGGAGCTGAGGTCCATCT
GCACCACGGTCTGGAATTGTTGGATAAGTATTTAATAGCCAATGCAACTAATCCAGAGAGTAAGGTCTT
CTATCTGAAAATGAAGGGAGATTATTTCCGGTATCTTGCTGAAGTAGCTTGTGGCGATGATCGAAAACAA
ACAATAGAAAATCCCAAGGAGCCTACCAAGAGGCGTTTGATATAAGCAAGAAGGAGATGCAACCTACGC
ATCCAATCCGCCTGGGGCTGGCTCTTAACCTTTCTGTATTTACTATGAGATCCTTAATAATCCAGAGCT
TGCTGCACACTGGCTAAAACGGCTTTTGATGAGGCCATCGCAGAGCTTGATACTGAACGAAGACTCC
TACAAAGACAGCACCTCATCATGCAGTTGCTTAGAGACAACCTAACATTATGGACATCAGACAGTGCAG
GAGAAGAATGTGATGCAGCAGAGGGGGCCGAAAAC

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >MR203062 protein sequence
 Red=Cloning site Green=Tags(s)

MEKTELIQKAKLAEQAERYDDMATCMKAVTEQGAELSNEERNLLSVAYKNVVGRRSAWRVISSIEQKTD
 TSDKKLQLIKDYREKVESELSICTTVLELLDKYLIANATNPESKVFYLMKMGDYFRYLAEVACGDDRKQ
 TIENSQGAYQEAFDISKKEMQPTHPIRLGLALNFSVFYYEILNNPELACTLAKTAFDEAIAELDTLNEDS
 YKDSTLIMQLLRDNLTLWTSDSAGEECDAAEGAEN

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI

Cloning Scheme:

Cloning sites used for ORF Shuttling:



* The last codon before the Stop codon of the ORF

ACCN: NM_011739

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: [NM_011739.3](#), [NP_035869.1](#)

RefSeq Size: 2110 bp

RefSeq ORF: 738 bp

Locus ID: 22630

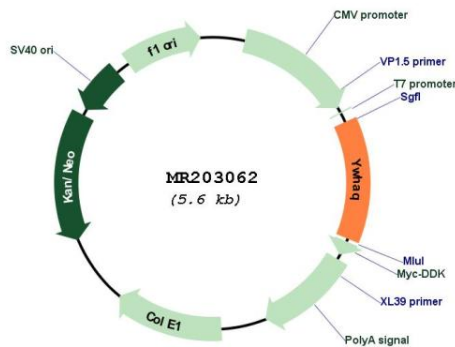
UniProt ID: [P68254](#)

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 MR203062