

Product datasheet for **MR224990**

Wasf2 (NM_153423) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Wasf2 (NM_153423) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Wasf2
Synonyms:	AW742646; D4Ertd13e; WAVE2
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



[View online »](#)

ORF Nucleotide Sequence:

>MR224990 representing NM_153423
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGCCGTTAGTAACAGGAACATCGAGCCAAGGCACCTGTGCCGTCAGACGTTGCCTAGCGATACAAGCG
 AGCTGGAATGCAGGACCAACATCACCTGGCAAATGTCATCCGACAGCTGGGCAGCTGAGTAAGTATGC
 AGAGGACATTTTCGGAGAGATTTGTAAGTCAAGGCAAGTGCCTTTGCCTCCCGAGTAAACTCCCTTGCTGAG
 CGGGTTGACCGAGTACAAGTTAAAGTCACTCAGCTGGATCCCAAGGAAGAAGAAGTGTACTACAAGGAA
 TCAACTCGGAAGGCCTTCAGAAGTTCTACCACCAAGACCAGAAGCTCTTTGACAGGAACTCTCTCCC
 GGTGCCGCTCTTAGAGACCTATAACAGCTGTGACGCTCTCCCTCTTAAACAATCTCAGTCCTTACAGG
 GACGATGAAAAAGAGGCACTCAAATTCTACACCAACCCCTCATACTTCTTTGATCTTTGGAAGGAGAAGA
 TGCTGCAGGACACCAAGGATATCATGAAAGAGAAGAGAAAAGCATAGGAAAAGAAAAGATAATCCAAA
 TAGAGGGGATGTGAACCCACGTAATAAAGACACGCAAGGAAGAGTGGGAGAAGATGAAAATGGGACAA
 GAATTTGTAGAGTCCAAGGAGAGGCTGGGGCTTCTGGGTATTCTGTCACCTTGGTGTACCAAGATGGCA
 GCATTGGCTCTGTTGAAAATGTGGATGCGGCCAGCTACCCACCACCACCAGTCGGACTCTGCCTCCTC
 ACCTTCCCTTCTTCTGTAAGACAATTGCCTCCCCCGCCAGCAGAATTACAGTACCCTGCAGACAAC
 CAAAGAGGATCTGTCTGGCTGGACCCAAAAGAACCAGCATGGTCAGCCCAAGCCATCCACCCCAAGCTC
 CTCTCTGAGCTCTCCGCGAGTCCCAAGCCTGGCTTCCGCTCTCCACCTGCCCTCCACCTCCACCTCC
 CATGAGTGTGCCACCTCCACTACCATCGATGGGATTCGGGTCTCCTGGGACCCCTCCACCCCAATCACT
 CCATCTTTCCCTCCTCACCTGATTTGCTGCTCCTCCACCACCTCCCCACCACCAGCAGCTGACTACC
 CAATGCCACCACCTCTTTGTCCCAACGCTCGGAGGTGCTCCTCCGCTCTCTCCCTCCCTCCCTCCCTCC
 AGGGCCCCCGCTCTCCCTTCAGCGGTGCTGATGGCCAGCCTGCTGCACCACCACCACCACCTTCT
 GAGGCCACCAAGCCCAAGTCTTATTGCCTGCTGTGAGTGACGCGCAGTGACCTGCTTTCTGCCATTC
 GCCAAGGCTTTCAGCTGCGAAGGGTTGAAGAGCAACGGGAGCAAGAGAAGCGTGTGTGGTGGGCAATGA
 TGTGGCCACCATCTGTCCCGTCGGATCGCTGTTGAGTACAGCGACTCGGAAGATGATTCTTCTGAATTT
 GATGAAGACGACTGGTCGGAT

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>MR224990 representing NM_153423
 Red=Cloning site Green=Tags(s)

MPLVTRNIEPRHLCRQTLPSDTSELECRNITLANVIRQLGSLSKYAEDIFGEICTQASAFASRVNSLAE
 RVDVRVQKVTQLDPKEEEVSLQGINTRKAFRSSTTQDQKLFDRNSLPVPVLETYNSCDAPPLNNSPYR
 DDGKEALKFYTNPSYFFDLWKEKMLQDTKDIMKEKRKRKEKDNPNRGNVNPRIKTRKEEWEKMKMGQ
 EFVESKERLGPSPYSSTLVYQNGSIGSVENVDAASYPPPPQSDSASSPSPFSEDNLPPPAEFSYPADN
 QRGSVLAGPKRTSMVSPSHPPAPPLSSPPGPKPGFAPPPAPPPPPMSVPPPLPSMGFGSPGTPPPSP
 PSFPPHPDFAAPPPPPPPAADYPMPPPLSQPSGGAPPPPPPPPPGPPPLPFSGADGQPAAPPPPPS
 EATKPKSSLPAVSDARSDLLSAIRQGFQLRRVEEQREQEKRQDVGNDVATILSRRIAVEYSDESSEDSSEF
 DEDDWS

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms:

https://cdn.origene.com/chromatograms/mm9082_e09.zip

Restriction Sites:

SgfI-MluI

Cloning Scheme:


ACCN: NM_153423

ORF Size: 1491 bp

OTI Disclaimer: Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in E. coli are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA can be purchased from OriGene with batch-specific, full-sequence verification at a reduced cost. Please contact our customer care team at custsupport@origene.com or by calling 301.340.3188 option 3 for pricing and delivery.

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.

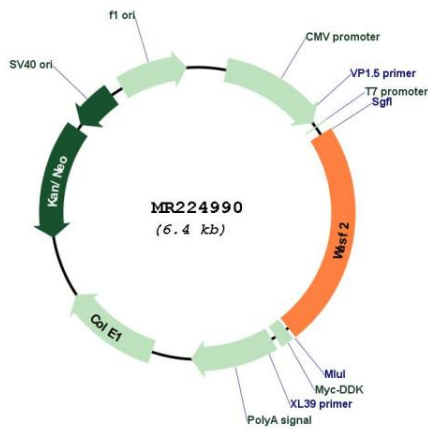
Components: The ORF clone is ion-exchange column purified and shipped in a 2D barcoded Matrix tube containing 10ug of transfection-ready, dried plasmid DNA (reconstitute with 100 ul of water).

- 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_153423.6, NP_700472.1](#)
RefSeq Size: 4088 bp
RefSeq ORF: 1494 bp
Locus ID: 242687
UniProt ID: [Q8BH43](#)
Cytogenetics: 4 66.22 cM
MW: 54.1 kDa

Gene Summary: Downstream effector molecule involved in the transmission of signals from tyrosine kinase receptors and small GTPases to the actin cytoskeleton. Promotes formation of actin filaments. Part of the WAVE complex that regulates lamellipodia formation. The WAVE complex regulates actin filament reorganization via its interaction with the Arp2/3 complex (By similarity).[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MR224990