

## Product datasheet for **MR208037**

### Wasf3 (NM\_145155) Mouse Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Wasf3 (NM_145155) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Wasf3
Synonyms:	Scar3; Wave3
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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**ORF Nucleotide Sequence:**

>MR208037 ORF sequence  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**GCGATCGCC**

ATGCCTTTAGTGAAGAGAAACATCGAACCCGGCACCTGTGCCGGGGCGCCCTGCCGGAAGGAGTACCA  
 GTGAGCTGGAATGCGTGACCAACAGCACGCTCGCTGCAATCATCCGCCAGCTGAGCAGTCTGAGTAAACA  
 TGCAGAAGACATATTTGGTGAGTTATTTAATGAGGCTAACAACTTCTACATCAGAGCAAATTCCTTCAA  
 GACAGAATCGATCGGCTTGTGTCAAAGTCAACCCAGCTGGACTCCACGGTGGAGGAGGTCTCACTACAGG  
 ATATCAACATGAAGAAAGCATTCAAAGCTCTACCATCCAAGACCAGCAGGTGGTCTCCAAGAACAGCAT  
 TCCCAACCCTGTTGCTGACATTTATAATCAGAGTGACAAACCCCGCCGCTGAGCATTCTGACACCGTAC  
 AGAGATGACAAGAAGGATGGCTGAAGTCTACACGGATCCCTCTACTTCTTTGACCTCTGAAAGAAA  
 AGATGCTGCAGGACACAGAAGACAAGAGGAAAGAGAAACGACGTGAGAAGGAACAAAAGCGTGTAGATGG  
 CACCACCCGAGAGGTGAAAAGGTTAGAAAAGCCAGAAACAGGCCAGGAGTGGAAATATGATGGCGTAT  
 GACAAGGAGCTTAGGCCGACAACAGGTTGTCTCAGAGTGTGACCACGGAGCATCTCCGAGGGATCTC  
 TGTCCCCAGATACTAGGTCTCACACATCCGATGTCACCGATTATCTTATCCTGCTACTCCCAACCATGC  
 TTTGCAAGCACAGCCGGCGACACCCTCCTACACAGCTGGCGATGCACCACTGCATGGGACCAAAACCAA  
 GGCGCTGAGCACGAGTACCGACCGTCTGCTGCCTCGGCAAGGCACATGGCCCTGAACAGACCTCAGCAGC  
 CACCGCCACCGCTCCTCCCGAGCGCCGGAGGGGTCCCAGGCCCTACGTCACTGGCTCCAGCCGACTA  
 TGGGATGCTTCCAGCACAGATAATTGAATACTACAGCCCTCAGGACCGCCACCCTCCCTCCACCC  
 ATGATTCCTCAGCACAACTGCCTTCGTACGCCCTCCTCAGATGCCACACAGCCCCCGTTCCCTGCCT  
 CAGCTGTCTCACATACCCACTCCTCCTCACCAGCCCTCCTACTGGGCTCCTGGCCACGACACCACC  
 CCCAGGTCCCCACCTCCTCCACCTGGTCTCCTGGCCCTCCTCCCTATCATCGTCCCCAATGCATGGT  
 CCCCTGTGGCTGAGGCAAGCGCCAGAGCCTGCACAGCCACCATAAGTGATGCGAGAAGTGACCTCT  
 TGGCTGCCATCCGGATGGGAATCCAAGTAAAAAGGTGCAGGAGCAACGCGAGCAGGAAGCAAGCGGGA  
 GCCTGTGGGAATGAGTGGCCACCATCTGTCTAGACGCATTGCTGTGGAGTACAGCGACTCAGACGAC  
 GACTCTGAGTTTATGAGAATGACTGGTCTGAC

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Protein Sequence:**

>MR208037 protein sequence  
 Red=Cloning site Green=Tags(s)

MPLVKRNIIEPRHLRGLPEGVTSLEECVTNSTLAAIIRQLSSLSKHAEDIFGELFNEANNFYIRANSLQ  
 DRIDRLAVKVTQLDSTVEEVSLQDINMKKAFKSSSTIQDQVVSKNISIPNPVADIYNQSDKPPPLSILTPY  
 RDDKDKGLKFYTDPSYFFDLWKEKMLQDTEKREKRRQKEQKRVDTTREVKKVRKARNRRQEWNNMAY  
 DKELRPDNRLSQSVHGHASSEGSLSPDTRSHTSDVTDYSYPATPNHALQAQPATPSYTAGDAPLHGTTNQ  
 GAEHEYRPSSASARHMALNRPQPPPPPPQAPEGSQASTSVAPADYGMLPAQIEEYSPSPPPPPPP  
 MIPSAQTAQVSPQMPTQPPFPASAVSTYPTPPHQPSGLLATAPPPGPPPPPPGPPGSSLSPPMHG  
 PPVAEAKRPEPAQPPISDARSDLLAAIRMGILKVKVQEQREQREAKREPVGNDVATILSRRIAVEYSDSD  
 DSEFDENDWSD

**TRTRPLEQKLI**SEEDLAANDILDYKDDDDKV

**Restriction Sites:**

Sgfl-MluI

**Cloning Scheme:**


**ACCN:** NM\_145155

**ORF Size:** 1506 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\\_145155.1](#)

**RefSeq Size:** 2685 bp

**RefSeq ORF:** 1506 bp

**Locus ID:** 245880

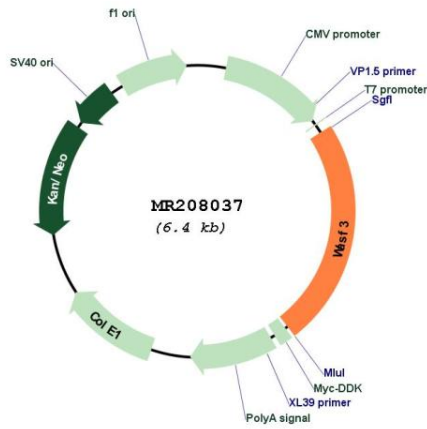
**UniProt ID:** [Q8VHI6](#)

**Cytogenetics:** 5 G3

MW: 55.2 kDa

Gene Summary: Downstream effector molecules involved in the transmission of signals from tyrosine kinase receptors and small GTPases to the actin cytoskeleton. Plays a role in the regulation of cell morphology and cytoskeletal organization. Required in the control of cell shape (By similarity). [UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MR208037