

Product datasheet for **MG208037**

Wasf3 (NM_145155) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Wasf3 (NM_145155) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Wasf3
Synonyms:	Scar3; Wave3
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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ORF Nucleotide Sequence:

>MG208037 representing NM_145155
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGCCTTTAGTGAAGAGAAACATCGAACCCGGCACCTGTGCCGGGGCGCCCTGCCGGAAGGAGTACCA
 GTGAGCTGGAATGCGTGACCAACAGCACGCTCGCTGCAATCATCCGCCAGCTGAGCAGTCTGAGTAAACA
 TGCAGAAGACATATTTGGTGAGTTATTTAATGAGGCTAACAACTTCTACATCAGAGCAAATTCCTTCAA
 GACAGAATCGATCGGCTTGTGTCAAAGTCAACCCAGCTGGACTCCACGGTGGAGGAGGTCTCACTACAGG
 ATATCAACATGAAGAAAGCATTCAAAGCTCTACCATCCAAGACCAGCAGGTGGTCTCCAAGAACAGCAT
 TCCCAACCCTGTTGCTGACATTTATAATCAGAGTGACAAACCCCGCCGCTGAGCATTCTGACACCGTAC
 AGAGATGACAAGAAGGATGGGCTGAAGTCTACACGGATCCCTCTACTTCTTTGACCTCTGAAAGAAA
 AGATGCTGCAGGACACAGAAGACAAGAGGAAAGAGAAACGACGTCAGAAGGAACAAAAGCGTGTAGATGG
 CACCACCCGAGAGGTGAAAAGGTTAGAAAAGCCAGAAACAGGCCAGGAGTGGAAATATGATGGCGTAT
 GACAAGGAGCTTAGGCCGACAACAGGTTGTCTCAGAGTGTGACCACGGAGCATCTCCGAGGGATCTC
 TGTCGCCAGATACTAGGTCTCACACATCCGATGTCACCGATTATCTTATCCTGCTACTCCCAACCATGC
 TTTGCAAGCACAGCCGGCGACACCCTCCTACACAGCTGGCGATGCACCACTGCATGGGACCACAAACCA
 GGCGCTGAGCACGAGTACCGACCGTCTGCTGCCTCGGCAAGGCACATGGCCCTGAACAGACCTCAGCAGC
 CACCGCCACCGCTCCTCCCAAGCGCCGGAGGGTCCCAGGCCCTCTACGTCAGTGGCTCCAGCCGACTA
 TGGGATGCTTCCAGCACAGATAATTGAATACTACAGCCCTCAGGACCGCCACCCTCCCTCCACCC
 ATGATTCCTCAGCACAACCTGCCTTCGTCAGCCCTCCTCAGATGCCACACAGCCCCGTTCCCTGCCT
 CAGCTGTCTCCACATACCCCACTCCTCACCAGCCCTCCTACTGGGCTCCTGGCCACAGCACCACCACC
 CCCAGGTCCCCACCTCCTCCACCTGGTCTCCTGGCCCTCCTCCCTATCATCGTCCCCAATGCATGGT
 CCCCTGTGGCTGAGGCAAGCGCCAGAGCCTGCACAGCCACCATAAGTGATGCGAGAAGTGACCTCT
 TGGCTGCCATCCGGATGGGAATCCAACCTGAAAAGGTGCAGGAGCAACCGGAGCAGGAAGCCAAGCGGGA
 GCCTGTGGGAATGACGTGGCCACCATCTGTCTAGACGCATTGCTGTGGAGTACAGCGACTCAGACGAC
 GACTCTGAGTTTATGAGAATGACTGGTCTGAC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence:

>MG208037 representing NM_145155
 Red=Cloning site Green=Tags(s)

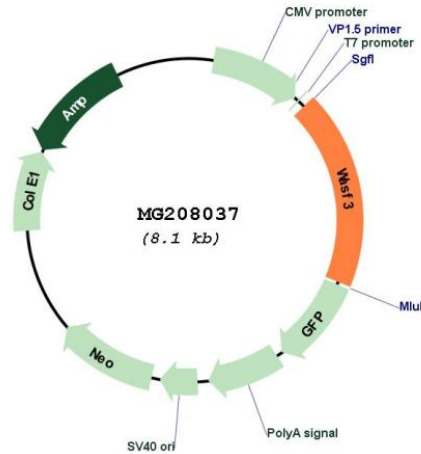
MPLVKRNIEPRHLCRGALPEGVTSELECVTNSTLAAIIRQLSSL SKHAEDIFGELFNEANNFYIRANSLQ
 DRIDRLAVKVTQLDSTVEEVSLQDINMKKAFKSSTIQDQQVVSKN SIPNPVADIYNQSDKPPPLSILTPY
 RDDKDKGLKFYTDPSYFFDLWKEKMLQDTEDKRKEKRRQKEQKRVDTTREVKKVRKARNRRQEWNNMAY
 DKELRPDNRLSQSVHHGASSEGSLSPDTRSHTSDVTDYSYPATPNHALQAQPATPSYTAGDAPLHGTTNQ
 GAEHEYRPSASARHMALNRPQQPPPPPPQAPEGSQASTSVAPADYGMLPAQIEEYSPSGPPPPPPPP
 MIPSAQTAQVSPQMPTQPPFPASAVSTYPTPPHQPSGLLATAPPPGPPPPPPGPPGSSLS SSPMHG
 PPVAEAKRPEPAQPPISDARSDLLAAIRMGIQLKKVQEQREQEAKREPVGNDVATILSRRIAVEYSDSD
 DSEFDENDWSD

TRTRPLE - GFP Tag - V

Restriction Sites:

Sgfl-MluI

Plasmid Map:



ACCN: NM_145155

ORF Size: 1503 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

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]