

Product datasheet for **RG216156**

WASF3 (NM_006646) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	WASF3 (NM_006646) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	WASF3
Synonyms:	Brush-1; 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:

>RG216156 representing NM_006646
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGCCTTTAGTGAAGAGGAACATTGAGCCCCGGCACTTGTGCCGGGGAGCTCTGCCTGAAGGGATTACCA
 CGGAACCTGAATGTGTAACCAATAGTACTCTTGCCGCTATCATACGCCAGCTGAGCAGTCTGAGCAAACA
 TGCTGAAGACATATTTGGTGAGTTGTTTAAAGAGGCTAACAACTTCTACATCAGAGCAAATTTCTCTTCAA
 GACAGAATTGATCGCCTTGTGTCAAAGTCAACAGTGGATTCAACAGTGAAGAGGTCTCACTACAGG
 ATATCAACATGAAAAAGCTTTCAAAGTTCACAGTCCAAGACCAGCAAGTGGTTTCAAAGAACAGCAT
 TCCTAATCCTGTTGCTGATTTTACAACCAGAGTGATAAGCCACCGCCTCTGAACATCCTGACACCATAC
 AGAGATGACAAGAAGGATGGGCTGAAGTCTATACTGATCCTTCCTATTTCTTTGACCTCTGAAAGAAA
 AAATGCTACAGGACACAGAAGACAAAAGGAAAGAGAAAAGGCGTAAAAGGAGCAAAGCGTATAGATGG
 CACCACCGTGAGGTGAAAAGGTTAGAAAAGCCAGAAACAGGCCAGGAGTGGAAATATGATGGCATA
 GACAAAGAGCTTAGACCCGACAACAGGTTGTCTCAGAGTGTACCATGGAGCGTCTCCGAGGGATCCC
 TGTCGCCAGATACTAGGTCACATGCATCGGACGTTACGGATTACTCTTACCCGGCTACTCCAACCATTC
 TCTGCACCCAGCCTGTGACCCCTTCTATGCAGCTGGTACGTCGCCACCACACGGGCTGCAAGCCAG
 GCTGCGGAGCATGAGTACCGGCCCATCTGCCTCGGCGAGGCACATGGCCCTCAACAGACCTCAGCAGC
 CGCCCCCCCCCTCCCCTCAGGCCAGAGGGTCCCAGGCCCTGCACCGATGGCTCCAGCAGACTA
 CGGGATGCTCCAGCGCAGATAATTGAGTATTACAACCATCCGGACCACCTCTCCGCCACCTCCTCT
 GTGATTCCTCAGCACAACCTGCCTTCGTCAGCCCTCAGAGTCCCATGCAGCCCCGTTCCCTGCAT
 CAGCCAGCTCCAGCACGACGCTCCTCCTCACCCACCTCCACCGGGCTCCTGGTCACAGCCCCGCCACC
 CCGGGGCCACCACTCCCCCGCCAGGCCCTCCTGGTCCCGGGTCTTCTCTTTCTCCTCCCAATGCAT
 GGCCCCCAGTAGCTGAGGCGAAGCGGCAAGAGCCTGCACAGCCACCAATCAGTGATGCTCGAAGCGACC
 TCCTCGTGCTATTGGAATGGGAATTCAACTGAAAAAGGTGCAGGAGCAGCGGGAGCAGGAGGCCAAGCG
 GGAGCCAGTGGGAATGACGTGGCCACGATCCTGTCCCGCGCATTGCCGTGGAGTACAGCGACTCTGAC
 GACGACTCAGAGTTCGACGAGAACGACTGGTCCGAC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence:

>RG216156 representing NM_006646
 Red=Cloning site Green=Tags(s)

MPLVKRNIEPRHLCRGALPEGITSELECVTNSTLAAIIRQLSSL SKHAEDIFGELFNEANNFYIRANSLQ
 DRIDRLAVKVTQLDSTVEEVSLQDINMKKAFKSSTVQDQQVVSKN SIPNPVADIYNQSDKPPPLNILTPY
 RDDKDKGLKFYTDPSYFFDLWKEKMLQDTEDKRKEKRRQKEQKRIDGTTREVKKVRKARNRRQEWMMAY
 DKELRPDNRLSQSVYHGASSEGSLSPDTRSHASDVTDYSYPATPNHSLHPQVTPSYAAGDVPPHGPASQ
 AAEHEYRPPSASARHMALNRPQQPPPPPPQAPEGSQASAPMAPADYGMLPAQIEEYNPSPGPPPPPP
 VIPSAQTAQVSPQMPMPFPASASSTHAAPHPSTGLLVTAAPPVPPPPPPGPPGSSLS SSPMH
 GPPVAEAKRQEPAPPIISDARSLLAAIRMGILKVKVQEQREQEA KREPVGNDVATILSRRIAVEYSDSD
 DSEFDENDWSD

TRTRPLE - GFP Tag - V

Restriction Sites:

Sgfl-Mlul

Cloning Scheme:


ACCN: NM_006646

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_006646.6](#)

RefSeq Size: 4851 bp

RefSeq ORF: 1509 bp

Locus ID: 10810

UniProt ID: [Q9UPY6](#)

Cytogenetics: 13q12.13

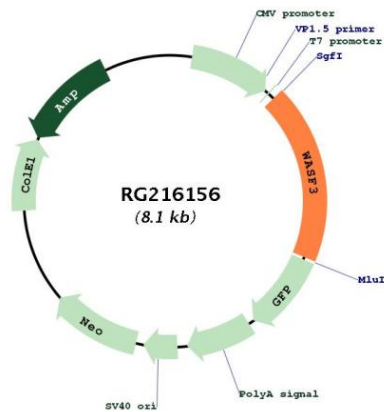
Domains: WH2

Protein Families: Druggable Genome

Protein Pathways: Adherens junction, Fc gamma R-mediated phagocytosis

Gene Summary: This gene encodes a member of the Wiskott-Aldrich syndrome protein family. The gene product is a protein that forms a multiprotein complex that links receptor kinases and actin. Binding to actin occurs through a C-terminal verprolin homology domain in all family members. The multiprotein complex serves to transduce signals that involve changes in cell shape, motility or function. A pseudogene of this gene have been defined on chromosome 6. Alternative splicing results in multiple transcript variants [provided by RefSeq, May 2014]

Product images:



Circular map for RG216156