

## Product datasheet for **SC302314**

### WAVE 1 (WASF1) (NM\_001024935) Human Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	WAVE 1 (WASF1) (NM_001024935) Human Untagged Clone
Tag:	Tag Free
Symbol:	WASF1
Synonyms:	NEDALVS; SCAR1; WAVE; WAVE1
Vector:	<u>pCMV6 series</u>
Fully Sequenced ORF:	>NCBI ORF sequence for NM_001024935, the custom clone sequence may differ by one or more nucleotides

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ATGCCGCTAGTGAAAAGAAACATCGATCCTAGGCACTTGTGCCACACAGCACTGCCTAGA
GGCATTAGAATGAACTGGAATGTGTAACCAATATTTCTTGGCAAATATAATTAGACAA
CTAAGTAGCCTAAGTAAATATGCTGAAGATATATTTGGAGAATTATTCAATGAAGCACAT
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ACACAGCTTGATCCAAAGGAAGAAGAATTGTCTTTGCAAGATATAACAATGAGGAAAGCT
TTCCGAAGTTCTACAATTCAAGACCAGCAGCTTTTCGATCGCAAGACTTTGCCTATTCCA
TTACAGGAGACGTACGATGTTTGTGAACAGCCTCCACCTCTCAATATACTCACTCCTTAT
AGAGATGATGGTAAAGAAGGTCTGAAGTTTTATACCAATCCTTCGTATTTCTTTGATCTA
TGGAAAGAAAAATGTTGCAAGATACAGAGGATAAGAGGAAGGAAAAGAGGAAGCAGAAG
CAGAAAAATCTAGATCGTCCTCATGAACCAGAAAAAGTGCCAAGAGCACCTCATGACAGG
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CTCCACCAATGCATGGAGCAGGAGATGCAAAACCGATACCCACCTGTATCAGTTCTGCT
ACAGGTTTTGATAGAAAATCGCCCTCAGTCACCAGCTACAGGCAGAACACCTGTGTTTGTG
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AGAGCTTCAATGACTTCAACTCCTCCCCCTCCAGTACCTCCCCACCTCCACCTCCAGCC
ACTGCTTTGCAAGCTCCAGCAGTACCACCACCTCCAGCTCCTCTTCCAGATTGCCCTGGA
GTTCTTCAACCAGCTCCTCCTCCAATTGCACCTCCTCTAGTACAGCCCTCTCCACCAGTA
GCTAGAGCTGCCCGAGTATGTGAGACTGTACCAGTTCATCCACTCCCACAAGGTGAAGTT
CAGGGGCTGCCTCCACCCACCACCGCCTCCTCTGCCTCCACCTGGCATTGACCATCA
TCACCTGTCACAGTTACAGCTCTTGCTCATCCTCCTCTGGGCTACATCCAACCTCATCT
ACTGCCCCAGGTCCCATGTTCCATTAATGCCTCCATCTCCTCCATCACAAGTTATACCT
GCTTCTGAGCCAAAGCGCCATCCATCAACCCTACCTGTAATCAGTGATGCCAGGAGTGTG
CTACTGGAAGCAATACGAAAAGGTATTCAGCTACGCAAAGTAGAAGAGCAGCGTGAACAG
GAAGCTAAGCATGAACGCATTGAAAACGATGTTGCCACCATCCTGTCTCGCCGATTGCT
GTTGAATATAGTGATTCCGAAGATGATTCAGAATTTGATGAAGTAGATTGGTTGGAGTAA

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<b>Restriction Sites:</b>	Please inquire
<b>ACCN:</b>	NM_001024935
<b>OTI Disclaimer:</b>	Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).
<b>OTI Annotation:</b>	This TrueClone is provided through our Custom Cloning Process that includes sub-cloning into OriGene's pCMV6 vector and full sequencing to provide a non-variant match to the expected reference without frameshifts, and is delivered as lyophilized plasmid DNA.
<b>Components:</b>	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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"><li>1. Centrifuge at 5,000xg for 5min.</li><li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li><li>3. Close the tube and incubate for 10 minutes at room temperature.</li><li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li><li>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.</li></ol>
<b>RefSeq:</b>	<u><a href="#">NM_001024935.1</a></u> , <u><a href="#">NP_001020106.1</a></u>
<b>RefSeq Size:</b>	3085 bp
<b>RefSeq ORF:</b>	1680 bp
<b>Locus ID:</b>	8936
<b>UniProt ID:</b>	<u><a href="#">Q92558</a></u>
<b>Cytogenetics:</b>	6q21
<b>Protein Families:</b>	Druggable Genome
<b>Protein Pathways:</b>	Adherens junction, Fc gamma R-mediated phagocytosis, Regulation of actin cytoskeleton
<b>Gene Summary:</b>	<p>The protein encoded by this gene, a member of the Wiskott-Aldrich syndrome protein (WASP)-family, plays a critical role downstream of Rac, a Rho-family small GTPase, in regulating the actin cytoskeleton required for membrane ruffling. It has been shown to associate with an actin nucleation core Arp2/3 complex while enhancing actin polymerization in vitro. Wiskott-Aldrich syndrome is a disease of the immune system, likely due to defects in regulation of actin cytoskeleton. Multiple alternatively spliced transcript variants encoding the same protein have been found for this gene. [provided by RefSeq, Jul 2008]</p> <p>Transcript Variant: This variant (3) lacks an exon in the 5' UTR, as compared to variant 1. Variants 1-4 encode the same protein.</p>