

## Product datasheet for **SC115933**

### WASF3 (NM\_006646) Human Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	WASF3 (NM_006646) Human Untagged Clone
Tag:	Tag Free
Symbol:	WASF3
Synonyms:	Brush-1; SCAR3; WAVE3
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL4</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>NCBI ORF sequence for NM_006646, the custom clone sequence may differ by one or more nucleotides

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ATGCCTTTAGTGAAGAGGAACATTGAGCCCCGGCACTTGTGCCGGGGAGCTCTGCCTGAAGGGATTACCA
GCGAACTTGAATGTGTAACCAATAGTACTCTTGCCGCTATCATACGCCAGCTGAGCAGTCTGAGCAAACA
TGCTGAAGACATATTTGGTGAGTTGTTAATGAGGCTAACAACTTCTACATCAGAGCAAATTTCTTTCAA
GACAGAATTGATCGCCTTGCTGTCAAAGTCACCCAGCTGGATTCAACAGTGGAAGAGGTCTCACTACAGG
ATATCAACATGAAAAAGCTTTCAAAGTTCACAGTCCAAGACCAGCAAGTGGTTTCAAAGAACAGCAT
TCCTAATCCTGTTGCTGATATTTACAACCAGAGTGATAAGCCACCGCCTCTGAACATCCTGACACCATAC
AGAGATGACAAGAAGGATGGGCTGAAGTCTATACTGATCCTTCTATTTCTTTGACCTCTGAAAGAAA
AAATGCTACAGGACACAGAAGACAAAAGGAAAGAGAAAAGGCGTCAAAGGAGCAAAGCGTATAGATGG
CACCACCCGTGAGGTGAAAAAGTTAGAAAAGCCAGAAAACAGGCGCCAGGAGTGGAAATATGATGGCATAT
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TGTCCCCAGATACTAGGTCACATGCATCGGACGTTACGGATTACTCTTACCCGGCTACTCCCAACCATTC
TCTGCACCCAGCCTGTGACCCCTTCTATGCAGCTGGTGACGTGCCACCACACGGGCTGCAAGCCAG
GCTGCGGAGCATGAGTACCGGCCCATCTGCCTCGGCGAGGCACATGGCCCTCAACAGACCTCAGCAGC
CGCCCCCCCCGCTCCCCCTCAGGCCCCAGAGGGTCCCAGGCCCTCTGCACCGATGGCTCCAGCAGACTA
CGGGATGCTCCCAGCGCAGATAATTGAGTATTACAACCCATCCGGACCACCTCCTCCGCCACCTCCTCCT
GTGATTCCTCAGCACAACTGCCTTCGTGAGCCCTCTCCAGATGCCCATGCAGCCCCGTTCCCTGTCAT
CAGCCAGCTCCACGCACGCAGCTCCTCCTCACCCACCCTCCACCGGGCTCCTGGTACAGCCCCGCCACC
CCCGGGCCACCACCTCCCCCGCAGGCCCTCCTGGTCCCAGGCTTCTCTTTCTGCTCCTCCCAATGCAT
GGCCCCCAGTAGCTGAGGCGAAGCGGCAAGAGCCTGCACAGCCACCAATCAGTGATGCTCGAAGCGACC
TCCTCGTGCTATTGGAATGGGAATCAACTGAAAAAGGTGCAGGAGCAGCGGGAGCAGGAGGCCAAGCG
GGAGCCAGTGGGAATGACGTGGCCACGATCCTGTCCCGCGCATTGCCGTGGAGTACAGCGACTCTGAC
GACGACTCAGAGTTCGACGAGAACGACTGGTCCGACTGA

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<b>5' Read Nucleotide Sequence:</b>	<p>&gt;OriGene 5' read for NM_006646 unedited</p> <pre>TCAGAATTTGTAATACGACTTCACTATAGGGCGGCCGGAATTCGGCACCAGCGGCGCCG GCGGCGGGACCGCGGACCGTTTTAGTTTTGATTGCTGTTAACTACTACTGATAACTGAGC CAAAGTGGTGATGCTACTTGAGGGGAATTTCTGCAACCCATAGTCAACGATTACATGATT GTGAACCATGCCTTTAGTGAAGAGGAACATTGAGCCCCGGCACTTGTGCCGGGGAGCTCT GCCTGAAGGGATTACCAGCGAATTGAATGTGTAACCAATAGTACTCTTGCCGCTATCAT ACGCCAGCTGAGCAGTCTGAGCAAACATGCTGAAGACATATTTGGTGAGTTGTTAATGA GGCTAACAACTTTACATCAGAGCAAATTTCTTCAAGACAGAATTGATCGCCTTGCTGT CAAAGTACCCAGCTGGATTCAACAGTGAAGAGGTCTCACTACAGGATATCAACATGAA AAAAGCTTTCAAAGTTCACAGTCCAAGACCAGCAAGTGGTTTTCAAAGAACAGCATTCC TAATCCTGTTGCTGATATTTACAACCAGAGTGATAAGCCACCGCCTCTGAACATCCTGAC ACCATACAGAGATGACAAGAAGGATGGGCTGAAGTTCTATACTGATCCTTCTATTTCTT TGACCTCTGGAAGAAAAAATGCTACANGACACAGAAGACAAAAGGAAAGAGAAAAAGCG TCAAAAGAGAAGAGAACACAAGCTGAACCCTAACAGAAACNNCAGCAGTAATGTGAGAAA AGTCAGAAACAGAAAAGAGAGTGGGAGAGAAGGAAAATGGGCATTGAGTTTATTGAGTGA CGCAAGAACTGGAGCANGCAGGNAGCGCCAAANNAGACAGATGCCCANCGNTACATGCA TTGGACGTTACGGATTACTTTTACCCGGTACTCCAACATTTTTGNACCCAGACTGTGA CCCCTTCTATGCAGTGGGGACGTGCCACCACCGCN</pre>
<b>3' Read Nucleotide Sequence:</b>	<p>&gt;OriGene 3' read for NM_006646 unedited</p> <pre>CCAAATACTGTGGNACCGCGCCGCTTTTTGGGGATCGAGTTTTTTTTTTTTTTTTTTTTT TTTAGGGTTATAAGTGAATTTTATTTAGATGTTACTTGTACATAATCTATAGTAAGATA TACAAACAGATAAAAAATGTTTAAACAGTTTTTTTTTAAATACCCTTAAATTCATTTACA ACAGCATTGGTAATACTGCAAGATGACAGATACTATGATTTATAAAACAAAAATTAATTG CTACTCTGGCTGATACATTTCCCACTAGTCTTTAATGGATTAATATGTATCATGATTTTTA ATTGCAAATTAATATAAACTTTTACAACCTAGCCACTTGGAGCTCAAAAAACATTTTGA TGTTCTAAAACTTACTGAGATGAAAAATGTTAATTTTTGAATAGTATCCTTAGTAAAGAA AAACATCAGTGTAGCCAAGCTTACGGTCTGGGGCTGACAGTGCAAACCTCACTTGCCTTGT GCTCCGCCCTCCTGTGTGCGCAGCCATCGGGGACTGGGCAATCTTCCCATCCCTTCCC TAGGTCTACCCTATGAGAGAAAAAGCTTAAAGAGACATTAACATAAAACAGACGTGGGAGAA ATAATCGAAGGACAATTTAAAAATACCTTACAATTTATAACTATAATTTAAAAACCCAA GTTTGGAAAAATGGAAAGTGCTTTTGGAGGTGACTCCCAATTGTTTTGGTAAAAAATTT TTGAAAAATGAAACCGAAGAATCCAACATCCCCTTATCCTGTACGGGCATACCCATAG AAAAAATCCGGACCCAAATTTTCGCGAAACACATCATTTGCTGGACAAATACGCCAAAAA AAACCATTTTGAATGACAACAACCTCCATTCTTTAAAAAGAGAGGGGACCAAAAGAGGG AAAACAGTGTCCAACATCAG</pre>
<b>Restriction Sites:</b>	NotI-NotI
<b>ACCN:</b>	NM_006646
<b>Insert Size:</b>	4000 bp
<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>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>NM_006646.4, NP_006637.2</u>
<b>RefSeq Size:</b>	4850 bp
<b>RefSeq ORF:</b>	1509 bp
<b>Locus ID:</b>	10810
<b>UniProt ID:</b>	<u>Q9UPY6</u>
<b>Cytogenetics:</b>	13q12.13
<b>Domains:</b>	WH2
<b>Protein Families:</b>	Druggable Genome
<b>Protein Pathways:</b>	Adherens junction, Fc gamma R-mediated phagocytosis
<b>Gene Summary:</b>	<p>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]</p> <p>Transcript Variant: This variant (1) represents the longer transcript and encodes the longer isoform (1).</p>