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Product datasheet for SC126670

WASF2 (NM_006990) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	WASF2 (NM_006990) Human Untagged Clone
Tag:	Tag Free
Symbol:	WASF2
Synonyms:	dJ393P12.2; IMD2; SCAR2; WASF4; WAVE2
Mammalian Cell Selection:	None
Vector:	pCMV6-XL4
E. coli Selection:	Ampicillin (100 ug/mL)

View online »

Fully Sequenced ORF:

>OriGene ORF within SC126670 sequence for NM_006990 edited (data generated by NextGen Sequencing)

ATGCCGTTAGTAACGAGGAACATCGAGCCAAGGCACCTGTGCCGTCAGACGTTGCCTAGC
GTTAGAAGCGAGCTGGAATGCGTGACCAACATCACCCTGGCAAATGTCATCCGACAGCTG
GGCAGCCTGAGTAAATATGCAGAGGACATTTTTGGAGAGCTCTTTACTCAGGCAAATACC
TTTGCCTCTCGGGTAAGCTCCCTTGCTGAGAGGGTCGACCGACTACAGGTTAAAGTCACT
CAGCTGGATCCCAAGGAAGAAGAAGTGTCACTGCAAGGAATCAACACCCGAAAAGCCTTC
AGAAGTTCCACCATTCAAGACCAGAAGCTTTTTGACAGAAACTCTCTCCCAGTGCCTGTC
TTAGAAACATACAATACCTGTGATACTCCTCCCCCTCTCAACAATCTTACCCCTTACAGG
GACGATGGAAAAGAGGCACTCAAATTCTACACAGACCCTTCATACTTCTTTGATCTTTGG
AAGGAGAAGATGCTGCAGGACACCAAGGATATCATGAAAGAGAAGAGAAAGCATAGGAAA
GAAAAGAAAGATAATCCAAATCGAGGGAATGTAAACCCACGTAAAATCAAGACACGTAAG
GAAGAGTGGGAGAAAATGAAGATGGGGCAAGAATTTGTGGAGTCCAAAGAAAAGCTGGGG
ACTTCTGGGTATCCACCCACTTTGGTGTACCAGAATGGCAGCATTGGCTGTGTTGAAAAC
GTGGATGCAAGTAGCTATCCGCCACCACCACAGTCAGACTCTGCTTCTTCACCTTCTCCT
TCCTTCTCCGAGGACAACTTGCCTCCTCCACCAGCAGAATTCAGTTACCCAGTGGACAAC
CAAAGAGGATCTGGTTTGGCTGGACCCAAAAGATCCAGTGTGGTCAGCCCAAGCCATCCA
CCACCAGCTCCTCCTCTAGGCTCTCCACCAGGCCCTAAACCCGGGTTTGCTCCACCACCT
GCCCCTCCGCCACCTCCGCCTCCAATGATAGGCATCCCACCTCCACCACCGCCTGTAGGA
TTTGGGTCTCCAGGGACGCCTCCACCACCCTCACCCCCATCTTTCCCACCTCACCCTGAT
TTTGCTGCCCCTCCACCTCCTCCTCCACCACCAGCAGCTGACTACCCAACTCTGCCACCA
CCTCCCTTGTCCCAGCCAACAGGAGGAGCACCTCCTCCTCCCCCTCCTCCTCCTCCTCCG
GGGCCCCCTCCTCCCCCTTTCACTGGTGCAGATGGCCAGCCTGCTATACCACCACCGCTT
TCTGATACCACCAAGCCCAAGTCCTCCTTGCCTGCCGTGAGCGATGCCCGTAGCGACCTG
CTTTCAGCCATCCGTCAAGGTTTTCAGCTGCGCAGGGTTGAGGAGCAGCGGGAACAAGAG
AAGCGGGATGTTGTGGGCAATGACGTGGCCACCATCTTGTCTCGTCGCATTGCTGTTGAG
TACAGTGACTCAGAAGATGACTCCTCTGAATTTGATGAGGACGACTGGTCCGATTAA

Clone variation with respect to NM_006990.3

5' Read Nucleotide Sequence:

>OriGene 5' read for NM_006990 unedited

TTTGTATACGACTCACTATAGGGCGGCCGCGAATTCGGCACGAGGCCGCGAGGCGGTCCG
CGGGAGCACACTCTGTGCGGAGACTGGGCGGCCGGCCGACCCTTCCTGTCGCTGACGGCG
ACTGCGGGAGGCCAGGTTGTTTTTCACCATTCAGAACATTGCCTGAAGCAGGTCCACCAT
GCCGTTAGTAACGAGGAACATCGAGCCAAGGCACCTGTGCCGTCAGACGTTGCCTAGCGT
TAGAAGCGAGCTGGAATGCGTGACCAACATCACCCTGGCAAATGTCATCCGACAGCTGGG
CAGCCTGAGTAAATATGCAGAGGACATTTTTGGAGAGCTCTTTACTCAGGCAAATACCTT
TGCCTCTCGGGTAAGCTCCCTTGCTGAGAGGGTCGACCGACTACAGGTTAAAGTCACTCA
GCTGGATCCCAAGGAAGAAGAAGTGTCACTGCAAGGAATCAACACCCGAAAAGCCTTCAG
AAGTTCCACCATTCAAGACCAGAAGCTTTTTGACAGAAACTCTCTCCCAGTGCCTGTCTT
AGAAACATACAATACCTGTGATACTCCTCCCCCTCTCAACAATCTTACCCCTTACAGGGA
CGATGGAAAAGAGGCACTCAAATTCTACACAGACCCTTCATACTTCTTTGATCTTTGGAA
GGAGAAGATGCTGCAGGACACCAAGGATATCATGAAAGAGAAGAGAAAGCATAGGAAAGA
AAAGAAAGATAATCCAAATCGAGGGAATGGTAACCCACGTAAAATCAAGACACGNTAGGG
AAGAGTGGGAGAAAATGAAGATGGGNGCAGAAATTGTGGAGTCCAAAAAAAGCTGGGGAC
TTCTGGGTATCCACCACT

3' Read Nucleotide Sequence:

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>OriGene 3' read for NM_006990 unedited
GCTTTGGACCGCGGCCCGCAATCCTANATCGAGTTTTTTTTTTTTTTTTTTGGTGCATAT
GCATAAGTGGAGCCCAGAGGGCCTCTCGGCTCACTGGGTCCCCGGCCCCCCGAGCTGAGG
AGGCTTCGCAAGGCCGGCTGCTACAAAGTGCCGAGCTTGGCTGCATAGATTTTAATGAGA
GCGTCAGGCAGAGCTGTGCTGTTGCTCTCCGGGACTTGCAGATCATTACCAAACCAACTG
TAGGATGAGAACATAGCACATCGAAACCCTAGGAGGTCACTGAGCTAATGATCTAATCCT
ACCTTCCGCAGGCAGTGCCCCTCCCCACCTCCTCCTGCCCCCAGCCCTTTCCACGATGGA
CTCAGTCCATTCCAGAAGCCAGGCCAACACCGCCCCCTTCAAGGTCAGAGCAGAATGACA
GTGAGTGGCTCTAGCTCTCCCTTTTCCGGGCAAGGAGGATGGGGGTAATTTAGTCAAAGC
CATTAGGCCCAAACCCTGGCCTGGCCAGGCCCCAGGTCTCCTATCTGGGAGAACCACTGC
CCTCTGCCTGCCTCTCCAACTACTGCTGGGCTGCGGCCCAGGCGCCTTCAACGACCATTT
TAGGGTTCTGATGAAAGCACCTTCGGCTTCTAAGGTGCAGGCTGGGAAACAAGGTGGGGG
CCCACATAGCCTGGTGTCTCAGCATGGAGCTTAGTGCCAAGTCCTGTGCCAGAGACACCT
GATGTGTAAAGAGGGAAGAGGGCACACTNTGGAGTGGCCCAGCAAGACGGCATGCTGTCC
CCTACAGCTCAGTCCCCACACCTGAGTCCCAGAAAGAAGCAGAGGAAAAGCGCCAGCCAG
GCACAGAGCAGACCCATGACTATCACTCCTCCTCAGCCGNAGGCTTTATGAGGCTTNNGC
ATACTACACCATTGCTTGCTGGTAGGAAAGATCTGTTCTCTTGTTCAGGCNTGAAGCGN
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Restriction Sites: NotI-NotI

ACCN: NM_006990

Insert Size: 4700 bp

OTI Disclaimer: Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in E. coli are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA can be purchased from OriGene with batch-specific, full-sequence verification at a reduced cost. Please contact our customer care team at custsupport@origene.com or by calling 301.340.3188 option 3 for pricing and delivery.

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

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_006990.2, NP_008921.1

RefSeq Size: 4270 bp

RefSeq ORF:	1497 bp
Locus ID:	10163
UniProt ID:	Q9Y6W5
Cytogenetics:	1p36.11
Domains:	WH2
Protein Families:	Druggable Genome
Protein Pathways:	Adherens junction, Fc gamma R-mediated phagocytosis, Regulation of actin cytoskeleton
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 tranduce signals that involve changes in cell shape, motility or function. The published map location (PMID:10381382) has been changed based on recent genomic sequence comparisons, which indicate that the expressed gene is located on chromosome 1, and a pseudogene may be located on chromosome X. Two transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Jan 2011] Transcript Variant: This variant (1) represents the longer transcript and encodes the longer isoform (1). Sequence Note: This RefSeq record was created from transcript and genomic sequence data to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on transcript alignments.