

Product datasheet for **SC117996**

WIPF1 (NM_003387) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	WIPF1 (NM_003387) Human Untagged Clone
Tag:	Tag Free
Symbol:	WIPF1
Synonyms:	PRPL-2; WAS2; WASPIP; WIP
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL4</u>
E. coli Selection:	Ampicillin (100 ug/mL)



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Fully Sequenced ORF: >OriGene ORF within SC117996 sequence for NM_003387 edited (data generated by NextGen Sequencing)

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ATGCCTGTCCCTCCCCTCCAGCACCCCGCCGCCCCGACGTTTGCCTGGCCAATACA
GAGAAGCCTACCTTGAATAAGACAGAGCAGGCTGGGAGAAATGCTCTCCTTTCTGATATC
AGCAAAGGGAAGAACTAAAGAAGACGGTCACCAATGACAGAAGTGCACCAACTGAGC
AAACCTAAAGGAGCTGGTGTGGAGGCGGTGGTGGTGGCTTTGGTGGAGGCGGCGGATTT
GGCGGAGGAGGTGGTGGGAGGCGGTGGAAGTTTTGGAGGGGGCGGACCTCCAGGTCTG
GGAGGATTGTTCCAGGCTGGAATGCCGAAGCTGAGATCCACGGCCAACAGGGATAATGAT
TCTGGAGGAAGCCGACCACCATTTGTTGCCACCGGAGGAAGATCCACATCTGCGAAACCC
TTTTACCCCAAGTGGCCAGGGAGGTTTCTGTGCCTTCTCCAGGCCACAGAAGTGGT
CCCCAGAGCCTCAGAGGAACCGAATGCCGCCCAAGGCCCGACGTGGGCTCAAAGCCT
GATAGCATTCTCCTCCAGTACCTAGTACTCCAAGACCCATTCAATCAAGTCTGCACAAC
CGGGGGTCCCACAGTGCCGGAGGCCAGGCAGCCAGCCCGGGCCACTCCTCCC
CCTTTCCCTGAAACCGCGCACTGCTTTGGGAGGAGGCTCAATACGTACGTCCCCTTG
AGCTCCTCCTCGCCTTCTCCAACCGGCCTCCCCTGCCGCTACCCCGAGAGGGCCTTG
GATGACAAACCCCTCCACCACCTCCTCAGTGGGCAACAGGCCCTCCATCCACAGGGAA
GCGGTTCCCCCTCCTCCTCCTCAGAACAACAAGCCTCCAGTGCCTTCCACTCCGCGGCT
TCGGCCTCCTCACAGGCCACCTCCGCGCCACCTCCAGCAGGCCCGGGCCGCTCCT
CTGCCTCCAAGTTCAGCGGCAATGACGAAACCCCAAGACTCCCACAGCGGAATCTGTCC
CTCAGTTCGTCCACGCCCCGTTACCTTCGCCAGGACGTTTCAGTCTCTTCTCCCCCG
CCCAGTGAGAGACCCCACTCCAGTGAGGACCCGCCAGGCCGATCAGGCCCTCCCA
CCACCTCCTCCAGTAAGCAGAAACGGCAGCACATCTCGGGCCTGCCTGTACCCCTCAG
TTGCCATCCAGGAGTGGAGTAGACAGTCCAGGAGTGGACCCAGGCCCTCCCCTTCTCCT
GATAGGCCAGTGTGGGGCACCTCCCCACCTCCACCATCAACATCTATTAGAAATGGC
TTCCAAGACTCTCCATGTGAAGATGAGTGGGAAAGCAGATTCTACTTCCATCCGATTTC
GATTTGCCACCTCCAGAGCCATATGTACAAACGACCAAAAGTTATCCAGCAAAGTGGCA
AGAAACGAAAGCCGAGTGGATCCAACCGAAGAGAAAGGGGTGCTCCACCCTCCTCCC
ATCCCGAGGTGA
    
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Clone variation with respect to NM_003387.4
593 c=>t

5' Read Nucleotide Sequence:

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>OriGene 5' read for NM_003387 unedited
ACTCCTATAGGCGGCCGGAATTCGGCACGAGGGTTCCCGGATGGTGCAGCCTCCCGGC
GCTGAGCGCTTTTCTGCCCGCCCGGCTCAAGCCCTGCCGACCCCGGAGAAATTTCCA
AAAAATGCCAGCGCGCGGGGCTGCGGAGTGTCCGGAGCCGCTGCGGATTTATC
AGCAAGACTGTTGAACGCATAACTGCCAAGAAGCCTGTCCCTCCCCTCCAGCACCCC
GCCGCCCCGACGTTTGCCTGGCCAATACAGAGAAGCCCTACCTTGAATAAGACAGAGCA
GGCTGGGAGAAATGCTCTCCTTTCTGATATCAGCAAAGGGAAGAACTAAAGAAGACGCT
CACCAATGACAGAAGTGCACCAATACTGGACAAACCTAAAGGAGCTGGTGTGGAGGCGG
TGGTGGGGTTTGGTGGGGAAAAGCGGCGGATTTGGCGGAGGAAGGTGGTGGCGGAGCGG
TNNGGAAGTTTGGAGGGGGCGGACCTCCAGGTCTGGGAAGGATTGTTCCAGGCTGGAA
TGCCGAAGCTGAGATCCACGGCCAACAGGGATAATGATTCTGGAGGAAGCCGACCACAT
TGTTGCACCGGAAGGAAGATCCACATCTGCGAAACCTTTTACCCCCAAGTGGCANAG
GGGGAGGTTTCTTGTGCCCTTCTCCAGGCACAANAAAAGTGGTCCCCCAGAGCCTCAGA
AGAAACNGAAATGCCGCCCAAGNCCNANACGGGGGGCTCAAAGCCTGAATAGCATTCC
TCTCCAGTACCCTAGTACTCCAAGACCCATTCATCAGCTGNCCNNGGGGGGGGGTCC
CCAACATGGCCCGGGGAGGCCCAAAGAAGCCAAACCCGGGCCAATTCTTCCCCTTCTC
GAAACCGGACTGTTTTTGGGGGAGAGGGTAAAAAAAAGCCCCCTGGGAGTTCTCTT
GCCTTTTAAACGGGTTCCCTGCCGCTACCCAAAGGGGTGGGGTGGAAAAACCTCCAAC
CTTTCATGGGGAAAGAA
    
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3' Read Nucleotide Sequence:	>OriGene 3' read for NM_003387 unedited ATGGACCGCGGCACGCAATCTAGTATCGAGTTTTTTTTTTTTTTTTTTTTTTTACATTCT GCTTTTCTTTATTGTCTGGCTAACTTACAAAAATGCAAAATGTCTAGGGTAGTCTCTACCC TACCACTTACACTATCCTGATGACACAGATAGCAAAATGGGTCTGTTTACATAGGGCATG ATATGAAAAAAGTTTTTCTTCTCTACGGTCCTTGACTATAAGGAGGGAAAAATTAAT TTCATGCCAACATTTTTGGGGAACCTTAAACAATCATCCATTTCTGCTACTAAAAAACA AAACGGTATTACACTTTAAAAATAAAGACCTAACAGTTTTTACAAATATGCAAAATAAT CTACTACTTAAACATAAAAAAAGTTGATTTCTTTTAAATCACAAAGTAAGGCACCATTG GATTAACATTTCTCTGGCTTTTACTAAATAAAATGCATAGGGAAATAAATACTGAACA CTGAGTTTTAATACTGTAATACATTTCAATATAAAATAAGAGGTGAATGTGAAAACTG TATTACATGTTGAATACATTTTCTGAAAATGTTATAAAAAACACACATGTAAGCTCTG ATTTACAGGAAGAAAAATTCATTTTTGTAATTTCCATAGTTAAGATTTTACCACAGAA CTTATTCATAGTTTAGATGCAATTAGGTTGCAAACCTTCAAAGAAAGGGTGAAGGTGT ATTAATGAAAACAGCCACTTAAACACTACATTCTAAAACAATCTATTCTGGATGAATGGC ANCTTTGATCTATCACCCCTGTTTCAGATTTAAACGGTACCCTGCCAAGTCAGATATGCAA GGAATTGTCCAATTCTTACTACCCTTAAAAATCAGACCCTTTTNTGAGCAAACTTTCT CCGCATATTTTTAGAAGGCAATTCCATCTTGGGAATGGGTCATTAGCTTTATAAAGGAG GTTTTACGTGGGAATCACAAAAGATCCCAATAAGG
Restriction Sites:	NotI-NotI
ACCN:	NM_003387
Insert Size:	4570 bp
OTI Disclaimer:	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).
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:	<ol style="list-style-type: none"> 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:	<u>NM_003387.3</u> , <u>NP_003378.3</u>
RefSeq Size:	4605 bp
RefSeq ORF:	1512 bp
Locus ID:	7456
UniProt ID:	<u>O43516</u>
Cytogenetics:	2q31.1
Domains:	WH2

Gene Summary:

This gene encodes a protein that plays an important role in the organization of the actin cytoskeleton. The encoded protein binds to a region of Wiskott-Aldrich syndrome protein that is frequently mutated in Wiskott-Aldrich syndrome, an X-linked recessive disorder. Impairment of the interaction between these two proteins may contribute to the disease. Two transcript variants encoding the same protein have been identified for this gene. [provided by RefSeq, Jul 2008]

Transcript Variant: This variant (1) represents the shorter transcript. Both variants 1 and 2 encode the same protein.