

Product datasheet for **SC310381**

WIPI1 (NM_017983) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	WIPI1 (NM_017983) Human Untagged Clone
Tag:	Tag Free
Symbol:	WIPI1
Synonyms:	ATG18; ATG18A; WIPI49
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL4</u>
E. coli Selection:	Ampicillin (100 ug/mL)

Fully Sequenced ORF: >OriGene ORF sequence for NM_017983 edited
 ATGGAGGCCGAGGCCGCGGACGCTCCCCGGGCGGGTTGAGTCGGCGCTCAGCTGCTTC
 TCTTTCAACCAGGACTGCACATCCCTAGCAATTGGAATAAGCCGGGTATAAGCTGTTT
 TCTCTGAGTTCTGTGGAGCAGCTGGATCAAGTCCACGGAAGCAATGAAATCCCGGACGTC
 TACATCGTGGAGCGCCTTCTCCAGCAGCCTGGTGGTGGTAGTCAGTCACACAAAACCA
 CGGCAGATGAACGTGTATCACTTCAAGAAAGGCACAGAGATCTGTAATTACAGCTACTCC
 AGCAACATCTTGTCCATAAAGGCTGAACCGGCAAAGGCTGCTGGTTTGCCTAGAAGAGTCC
 ATTTATATTCACAACATTAAGACATGAAGCTGTTGAAGACCCTCCTGGATATTCCTGCA
 AACCCAACAGGTCTATGTGCTCTCTATCAACCATTCCAATTCTACCTGGCCTATCCT
 GGAAGCCTGACTTCAGGGGAGATTGTGCTTTATGATGGAACTCCCTGAAAACAGTCTGC
 ACTATTGCTGCCATGAGGGAACACTAGCTGCCATCACCTTCAATGCCTCAGGCTCCAAA
 CTAGCAAGTGCGTCTGAAAAGGCACAGTCATCCGGGTGTTCTCTGTCCCTGATGGGCAA
 AAGCTCTATGAGTTCCGGAGAGGGATGAAAAGGTATGTGACAATCAGCTCTCTAGTGTTT
 AGTATGGATTACAATTCCTCTGCGCCTCCAGTAACACCGAGACGGTACACATCTTCAAG
 CTGGAACAGGTACCAACAGTCGACCAGAAGAGCCTTCGACCTGGAGTGGCTACATGGGA
 AAGATGTTTATGGCTGCTACCAACTACCTCCCTACCCAGGTGTCAGACATGATGCATCAG
 GACAGGGCTTTTGCCACTGCACGCTTGAACCTTCCGGACAGAGGAACATCTGTACCCTC
 TCAACGATCCAGAAGTTGCCACGGCTGCTAGTTGCGTCATCCAGTGGACACCTTTATATG
 TACAATTTGGATCCTCAGGATGGAGGAGTGTGCTTAATCAAAACCCACAGCTTGCTT
 GGCTCAGGAACAACAGAAGAGAATAAAGAAAATGACCTCAGACCTTCTTACCTCAGTCT
 TATGCAGCGACCTAGCCAGACCAAGTGCATCTCAGCCTCCACGGTGCCAGGTTATTCT
 GAGGACGGCGGGCGCTGCGAGGAGAAGTTATTCTGAACATGAGTTTGCAGCGGACCA
 GTGTGCTTGATGATGAGAATGAGTTTCTCCTGTGAGCATTAGGAACCCGTAA



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3' Read Nucleotide Sequence:	>OriGene 3' genomic read for NM_017983 unedited CAACCCGGCCNCCCCNCCCCCTCCANAAAAANNNTTTTACTNTAGNACCNCGGNCCC GCATTCTNANGATCGAGTTTTTTTTTTTTTTTTTTTTGGTGGGAAAGGGTTTTGCTGTGTT GCCCAGGCTGGTCTAACTCCTGGGCTCAAGCAATCCTCCAGCCTCGGCCTCCCAAAGT GCTGGGATTACAGGTGTGAGCCACCGCACCCGGCCACTGTTTCTAATGAGTGTCTGCA ACTGCTGGGGAGGTGCGGGTCTGCCGGCCAGAGCTGCAGGTAAGTGAGGGTCAAGCTGGT TCACAGAGTGCAGCAACTCAGCTCAGAGTCTGAACACACAGCCAGCCCTCTGAAACCA TCCCCTCCAGCACAAGGAAGGCAGCATTCTGCAAACGCATCCATGGGAGCCTCAGGAAAA TAAGTTTTAGACAAGTCACGTGTTCTACCTTCCAGGCAGCAAAGTCAGTGCTACAGAAG CAAAGTAAGGGATCGCAGGCCTCTGGCTGGAGGGAGGCCACCAAGACTCCCTGGATTAGT ATTCGGTGACTCTAATGCCATCAGGGTTTAGCTCGACACCTAAAGCCTACTCTGTAGGAT TCGAAGCACACAGTACAACAAATATCCTATGGCTTTCAAATACTAGAGCAGAGAATTAG TTGTTATAGATTAGAAACAGGGAAAGGGACTCTGCCTCTCGTATGAAGCGAAAGTTTCT TCTAAGCACACAGACTGAGCCGCCAAGTACGGGNTCCTAATGCTCACCAGAGGAAACTC ATTCTCATCATCAAGACACACTGGTCCCGTCGCCAACTCATGTTTCAGGAATAAACTTTTC CTCCCAAGGCCCGCCCGNCCTCAAATAACCTGGCCACCGTGAAGGCCTGAAAAGCACT TGGTCTGGCTACCGTCTGCTTAAAGACTTGAGGAAGGAAAGGCCGGAGGCATTTCTTT ATCCCTCTCGGGGNCCCCGACCAACAACCTTTGGGT
Restriction Sites:	NotI-NotI
ACCN:	NM_017983
Insert Size:	2300 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).
OTI Annotation:	There is 17 nucleotide difference between the OriGene clone and the NCBI reference ORF. OriGene considers these to be polymorphisms and to reflect the natural differences between individuals. These result in the substitution of 7 amino acids (6 sub and 1 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_017983.3</u> , <u>NP_060453.2</u>
RefSeq Size:	1895 bp
RefSeq ORF:	1341 bp
Locus ID:	55062
UniProt ID:	<u>Q5MNZ9</u>

Cytogenetics: 17q24.2

Domains: WD40

Gene Summary: This gene encodes a WD40 repeat protein. Members of the WD40 repeat family are key components of many essential biologic functions. They regulate the assembly of multiprotein complexes by presenting a beta-propeller platform for simultaneous and reversible protein-protein interactions. Members of the WIPI subfamily of WD40 repeat proteins have a 7-bladed propeller structure and contain a conserved motif for interaction with phospholipids. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Mar 2016]
Transcript Variant: This variant (1) encodes the longer isoform (a).