

Product datasheet for **SC114682**

WIPI2 (NM_015610) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	WIPI2 (NM_015610) Human Untagged Clone
Tag:	Tag Free
Symbol:	WIPI2
Synonyms:	ATG18B; Atg21; CGI-50; IDSSA; WIPI-2
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>NCBI ORF sequence for NM_015610, the custom clone sequence may differ by one or more nucleotides

```
ATGAACCTGGCGAGCCAGAGCGGGAGGCCGGCCGAGCTGCTCTTCGCCAACTTCAACCAGGACA
ACACAGAAGTGAAGGGGCATCAAGAGCAGCTGGTCTTGCCGTCGCGCTGTTGTCTGGTCCCTAGCTGT
TGGTAGTAAGTCCGGTTATAAATTTTTCTCCCTTTCTTCTGTGGATAAGCTGGAACAGATCTATGAATGC
ACCGATACGGAAGATGTGTGCATTGTAGAGAGATTGTTCTCCAGCAGCCTAGTGGCCATCGTCAGCCTTA
AAGCACAAGGAAGCTAAAGGTTTGCCACTTTAAGAAGGGAAGTGAATCTGCAACTACAGCTACTCCAA
CACGATTCTGGCTGTGAAGCTCAACAGGCAGAGGCTGATAGTAGCTGGAGGAGTCCCTGTACATCCAC
AACATTCGGGACATGAAGGTGCTGCATACGATCAGGGAGACGCCCTCCAAACCTGCAGGCCTGTGTGCGC
TGTCATCAACAACGACAAGTCTACTTGGCGTACCCAGGGAGCGGACCATCGGAGAGGTGCAGGTCTT
CGATACCATTAATTTGAGAGCTGCAAAATGATTCCGGCTCACGACAGTCTTTAGCGGCACTGGCCTTT
GACGCAAGTGGAACTAACTTGCCACGGCTTCGGAGAAGGGGACCGTGATTAGGGTATTTTCCATTCAG
AAGGACAAAACTCTTTGAGTTTCGGAGAGGAGTAAAGAGGTGCGTGAGCATCTGCTCCCTGGCCTTCAG
CATGGACGGCATGTTCTCTCCGCTCCAGCAACTGAGACCGTGACATCTTCAAACGAGACTGTG
AAAGAAAAACCCAGAGGAGCCACCCTGGACCGGTACTTCGGGAAAGTGTCTATGGCCTCCACCA
GCTACCTGCCTTCCCAAGTGACAGAAATGTTCAACCAGGCAGAGCCTTCGCCACGGTCCGCCTGCCATT
CTGCGGCCACAAAACATCTGCTCGCTAGCCACAATTGAGAAGATCCCGCGGTTGTTGGTGGGTGCCGCC
GACGGGTACCTGTACATGTACAACCTGGACCCCAAGGAGGGCGGCGAGTGTGCCCTGATGAAGCAGCACC
GGCTGGACGGCAGTCTGAAACGACCAATGAGATCTTGGACTCTGCCTCTCACGACTGCCCTTAGTCAC
TCAGACATACGGCGCAGCTGCAGGAAAAGTACTTACGTGCCTTCATCCCAACGAGACTTGCCTACACA
GACGACCTGGGTGCTGTGGGTGGCGCCTGCCTGGAGGACGAGGCCAGCGCCTGCCTGGATGAGGACA
GCGAGCACCCGCATGATTCTTCGGACTGACTGA
```



[View online »](#)

5' Read Nucleotide Sequence:	>OriGene 5' read for NM_015610 unedited ACTAATTTGTAATACGACTCACTATAGGGNCGCCGCGAAATTCGGCACGAGGCGGGGA CGGGATGAGGCGGCGGTTGATCCCAGGTGGCGAGTGGCGGCGACCGAGGCGGCGAGCGGG GCCCGGCGCCGACCCTGAGTGCAGCCTGACCCGCCCTCGCGCGCGCCCTCCCCGGCCG GGCCCACTCGCCGCGGCCAGCCATGAACTTGTCTAGCCAGAGCGGGGAGGCCGCGCC GGCCAGCTGCTCTCGCCAACCTCAACCAGGACAACACGTACCTAGCTGTTGGTAGTAAG TCCGGTTATAAAATTTTTCTCCCTTCTTCTGTGGATAAGCTGGAACAGATCTATGAATGC ACCGATACGGAAGATGTGTGCATTGTAGAGAGATTGTTCTCCAGCAGCCTAGTGGCCATC GTGAGCCTTAAAGCACCAAGGAAGCTAAAGGTTTGCCACTTTAAGAAGGGAAGTGAATC TGCAACTACAGCTACTCCAACACGATTCTGGCTGTGAAGCTCAACAGGCAGAGGCTGATA GTATGCCTGGAGGAGTCCCTGTACATCCACAACATTCGGGACATGAAGGTGCTGCATACG ATCAGGGAGACGCTCCAAACCCTGCAGGCCTGTGTGCGCTGTCAATCAACAACGACAAC TGCTACTTGGCGTACCCAGGGAGCGGACCATCGGAGAGGTGCAGGTCTTCGATACCATT AATTTGAGAGCTGCAAACATGATTCCAGCTCACGACAGTCCTTTAGCGGCACTGGCCTTT GACGCAAGTGGAATAAATTGCCACGGCTTCGGAGAAGGGACCGTATTAGGGTATTTT TCATTCCAGAAAGACAAAACCTTTGAGTTTCGGAGAGGAGTAAAGAGTGCCTGAGCAT CTGCTCCTGGNCCTCAGCATNACGGGATGTTCTTCTCGCTCCAGAACACTGAAGACGT GCCACATTTN
Restriction Sites:	NotI-NotI
ACCN:	NM_015610
Insert Size:	2500 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_015610.2</u> , <u>NP_056425.1</u>
RefSeq Size:	4489 bp
RefSeq ORF:	1365 bp
Locus ID:	26100
UniProt ID:	<u>Q9Y4P8</u>
Cytogenetics:	7p22.1
Domains:	WD40

Gene Summary:

WD40 repeat proteins 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, such as WIPI2, have a 7-bladed propeller structure and contain a conserved motif for interaction with phospholipids (Proikas-Cezanne et al., 2004 [PubMed 15602573]).[supplied by OMIM, Mar 2008]

Transcript Variant: This variant (1) encodes the longest isoform (a).