

Product datasheet for **SC320341**

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; IDDSSA; WIPI-2
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC (PS100020)
E. coli Selection:	Ampicillin (100 ug/mL)



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Fully Sequenced ORF: >OriGene sequence for NM_015610.3
 CAAGAGCGGGACGGGATGAGGCGGCGGTTGATCCCAGGGTGGCGAGTGGCGGCGACCGA
 GGCGGCGAGCGGGGCCCGGCGCCGACCCCTGAGTGCAGCCTGACCCGCCCTCGCGCGCGG
 CCCTCCCCGGCCGGGCCACTCGCCGCGCGCCAGCCATGAACCTGGCGAGCCAGAGCGG
 GGAGGCCGGCGCCGGCCAGCTGCTCTTCGCCAATTCAACCAGGACAACACAGAAGTGAA
 AGGGCATCAAGAGCAGCTGGTCTTGCCGTCGCGCTGTTGTCTGGTCCCTAGCTGTTGG
 TAGTAAGTCCGGTTATAAATTTTTCTCCCTTTCTCTGTGGATAAGCTGGAACAGATCTA
 TGAATGCACCGATACGGAAGATGTGTGCATTGTAGAGAGATTGTTCTCCAGCAGCCTAGT
 GGCCATCGTGAGCCTTAAAGCACCAAGGAAGCTAAAGGTTTGCCACTTTAAGAAGGGAAC
 TGAGATCTGCAACTACAGCTACTCCAACACGATTCTGGCTGTGAAGCTCAACAGGCGAGG
 GCTGATAGTATGCCTGGAGGAGTCCCTGTACATCCACAACATTGGGACATGAAGGTGCT
 GCATACGATCAGGGAGACGCTCCAAACCCTGCAGGCCTGTGTGCGCTGTCAATCAACAA
 CGACAACCTGCTACTTGCGTACCCAGGGAGCGCGACCATCGGAGAGGTGCAGGTCTTCGA
 TACCATTAATTTGAGAGCTGCAAAACATGATTCCGGCTCACGACAGTCTTTAGCGGCACT
 GGCTTTGACGCAAGTGGAACTAACTTGCCACGGCTTCGGAGAAGGGGACCGTGATTAG
 GGTATTTTCCATTCCAGAAGGACAAAACTCTTTGAGTTTCGGAGAGGAGTAAAGAGGTG
 CGTGAGCATCTGCTCCCTGGCCTTCAGCATGGACGGCATGTTCCCTCCCGCTCCAGCAA
 CACTGAGACCGTGACATCTTCAAACCTCGAGACTGTGAAAGAAAAACCCAGAGGAGCC
 CACCACCTGGACCGGGTACTTCGGGAAAGTGCTCATGGCTCCACCAGCTACCTGCCTTC
 CCAAGTGACAGAAATGTTCAACCAGGGCAGAGCCTTCGCCACGGTCCGCCTGCCATTCTG
 CGGCCACAAAAACATCTGCTCGTAGCCACAATTGAGAAGATCCCGCGGTGTTGGTGGG
 TGCCCGCAGCGGTACCTGTACATGTACAACCTGGACCCCGAGGGGGCGCGAGTGTGC
 CCTGATGAAGCAGCACCAGGCTGGACGGCAGTCTGAAACGACCAATGAGATCTTGGACTC
 TGCTCTCACGACTGCCCTTAGTCACTCAGACATACGGCGCAGCTGCAGGAAAAGGTAC
 TTACGTGCCTTATCCCCAACGAGACTTGCCTACACAGACGACCTGGGTGCTGTGGGTGG
 CGCCTGCCTGGAGGACGAGGCCAGCGCCCTGCGCCTGGATGAGGACAGCGAGCACCCGCC
 CATGATTCTTCGGACTGACTGAACTTGACCTGTGACCTCTGACCCGGGGAGCAGAGAACA
 CTGGCTTACAGAGGACTTTGTGCATTGCTGCTATGAACTTTGACCTGAGTCGGGGGAGA
 GGATGGCAGAGACTTTATTAATAAAAAAAAAAAGATTGTAATAAAAAAAAAAAAAAAAAAAA
 AAA

Restriction Sites: Please inquire

ACCN: NM_015610

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: This TrueClone is provided through our Custom Cloning Process that includes sub-cloning into OriGene's pCMV6 vector and full sequencing to provide a non-variant match to the expected reference without frameshifts, and is delivered as lyophilized plasmid DNA.

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:	NM_015610.3 , NP_056425.1
RefSeq Size:	4489 bp
RefSeq ORF:	1365 bp
Locus ID:	26100
UniProt ID:	Q9Y4P8
Cytogenetics:	7p22.1
Domains:	WD40
Gene Summary:	<p>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]</p> <p>Transcript Variant: This variant (1) encodes the longest isoform (a).</p>