

Product datasheet for **SC320285**

WIPI2 (NM_016003) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	WIPI2 (NM_016003) 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_016003.3
 CGGGTGCCCGGCTCTGGAGCATAAACAAGAGCGGGACGGGATGAGCGGCGGTTGATC
 CCAGGGTGGCGAGTGGCGGCGACCGAGGCGGCGAGCGGGCCCGGCGCCGACCCTGAGTG
 CAGCCTGACCCGCCCTCGCGCGCGCCCTCCCCGGCCGGGCCACTCGCCGCGGCCCA
 GCCATGAACCTGGCGAGCCAGAGCGGGAGGCCGGCGCCGAGCTGCTTTCGCCAAC
 TTCAACCAGGACAACACGTCCCTAGCTGTTGGTAGTAAGTCCGGTTATAAATTTTCTCC
 CTTTCTTCTGTGGATAAGCTGGAACAGATCTATGAATGCACCGATACGGAAGATGTGTGC
 ATTGTAGAGAGATTGTTCTCCAGCAGCCTAGTGGCCATCGTGAGCCTTAAAGCACCAAGG
 AAGCTAAAGGTTTGCCACTTTAAGAAGGGAAGTGAATCTGCAACTACAGCTACTCCAAC
 ACGATTCTGGCTGTGAAGCTCAACAGGCAGAGGCTGATAGTATGCCTGGAGGAGTCCCTG
 TACATCCACAACATTCGGGACATGAAGGTGCTGCATACGATCAGGGAGACGCTCCAAC
 CCTGCAGGCTGTGTGCGCTGTCAATCAACAACGACAAGTGTACTTGGCGTACCCAGGG
 AGCGCGACCATCGGAGAGGTGCAGGTCTTCGATACCATTAATTTGAGAGCTGCAACATG
 ATTCGGGCTCACGACAGTCCCTTAGCGGCACTGGCCTTTGACGCAAGTGGAACTAAACTT
 GCCACGGCTTCGAGAAGGGGACCGTGATTAGGGTATTTCCATTCCAGAAGGACAAAA
 CTCTTTGAGTTTCGGAGAGGAGTAAAGAGGTGCGTGAGCATCTGCTCCCTGGCCTTCAGC
 ATGGACGGCATGTTCTCTCCGCTCCAGCAACTGAGACCGTGACATCTTCAAACCTC
 GAGACTGTGAAAGAAAAACCCAGAGGAGCCACCACCTGGACCGGTACTIONCGGGAAA
 GTGCTCATGGCTCCACCAGCTACCTGCCTTCCAAGTGACAGAAATGTTCAACCAGGGC
 AGAGCCTTCGCCACGGTCCGCTGCCATTCTGCGGCCACAAAAACATCTGCTCGTAGCC
 ACAATTCAGAAGATCCCGCGTTGTTGGTGGGTGCCCGGACGGGTACCTGTACATGTAC
 AACCTGGACCCCGAGGAGGGCGGAGTGTGCCCTGATGAAGCAGCACCGGCTGGACGGC
 AGTCTGGAAACGACCAATGAGATCTTGGACTCTGCCTCAGACTGCCCTTAGTCACT
 CAGACATACGGCGCAGCTGCAGGAAAAGTACTTACGTGCCTTCATCCCAACGAGACTT
 GCCTACACAGACGACCTGGGTGCTGTGGGTGGCGCTGCCTGGAGGACGAGGCCAGCGCC
 CTGCGCTGGATGAGGACAGCGAGCACCCGCCATGATTCTTCGGACTGACTGAACTTGA
 CCTGTGACCTCTGACCCGGGAGCAGAGAACACTGGCTTACAGAGGACTTTGTGCATTG
 CTGCTATGAACTTTGACCTGAGTCGGGGAGAGGATGGCAGAGACTTTATTAATAAAAAA
 AAAAAAAAAA

Restriction Sites: Please inquire

ACCN: NM_016003

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_016003.3 , NP_057087.2
RefSeq Size:	4435 bp
RefSeq ORF:	1311 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 (2) lacks an alternate in-frame 5' exon compared to variant 1. The resulting isoform (b) has the same N- and C-termini but is shorter compared to isoform a.</p>