

Product datasheet for **SC322622**

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:	Neomycin
Vector:	pCMV6-AC (PS100020)
E. coli Selection:	Ampicillin (100 ug/mL)



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Fully Sequenced ORF: >OriGene sequence for SC322622
 GGGGCTGAGGTGGCTGTGCGCCGGCTCCGAGCTGCGGCCGAGCCCCGATGGAGGCCGAGG
 CCGCGGACGCTCCCCCGGGCGGGGTTGAGTCGCGCCTCAGCTGCTTCTCTTTCAACCAGG
 ACTGCACATCCCTAGCAATTGGAATAAGCCGGGTATAAGCTGTTTTCTCTGAGTTCTG
 TGGAGCAGCTGGATCAAGTCCACGGAAGCAATGAAATCCCGGACGCTACATCGTGGAGC
 GCCTCTTCTCCAGCAGCCTGGTGGTGGTAGTCAGTCACACAAAACCACGGCAGATGAACG
 TGTATCACTTCAAGAAAGGCACAGAGATCTGTAATTACAGCTACTCCAGCAACATCTTGT
 CCATAAGGCTGAACCGGCAAGGCTGCTGGTTTGCCTAGAAGAGTCCATTTATATTCACA
 ACATTAAGACATGAAGCTGTTGAAGACCCTCCTGGATATTCTGCAAACCCAACAGGTC
 TATGTGCTCTCTATCAACCATTCCAATTCTTACCTGGCCTATCCTGGAAGCCTGACTT
 CAGGGGAGATTGTGCTTTATGATGGAACTCCCTGAAAACAGTCTGCACTATTGTGCC
 ATGAGGGAACACTAGCTGCCATCACCTTCAATGCCTCAGGCTCCAACTAGCAAGTGCCT
 CTGAAAAAGGCACAGTCATCCGGGTGTTCTCTGTCCCTGATGGGCAAAAGCTCTATGAGT
 TCCGGAGAGGGATGAAAAGGTATGTGACAATCAGCTCTCTAGTGTTCAGTATGGATTAC
 AATTCCTCTGCGCTCCAGTAACACCGAGACGGTACACATCTTCAAGCTGGAACAGTCA
 CCAACAGTCGACCAGAAGAGCCTTCGACCTGGAGTGGCTACATGGGAAAGATGTTTATGG
 CTGCTACCAACTACCTCCCTACCCAGGTGTGACATGATGCATCAGGACAGGGCTTTTG
 CCACTGCACGCTTGAACCTTCCCGACAGAGGAACATCTGTACCCTCTCAACGATCCAGA
 AGTTGCCACGGCTGCTAGTTGCGTCATCCAGTGGACACCTTTATATGTACAATTTGGATC
 CTCAGGATGGAGGAGAGTGTGTCTTAATCAAAACCCACAGCTTGCTTGGCTCAGGAACAA
 CAGAAGAGAATAAAGAAAATGACCTCAGACCTTCTTACCTCAGTCTTATGCAGCGACCG
 TAGCCAGACCAAGTGCATCTTACGCTCCACGGTGCCAGGTTATTCTGAGGACGGCGGGG
 CGCTGCGAGGAGAAGTTATTCTGAACATGAGTTTGCACGGGACCAGTGTGTCTTGATG
 ATGAGAATGAGTTTCTCCTATAATCTTGTGCCGTGAAAATCAGAAGGGCAAAACGAAGC
 AGTCATGATGAGAAGCACACCTCAGAAATCAGGACATCCCCCTATCAGGTGGTTTTGGA
 GAAAACAAGGAAGGCGGAAGAATGGAGTCAATTGTGTGAGCAGAAAGGGGGCAGGAAT
 CCCGGGTGCTCCACTGCTTAAACCACAGGACCTGGTAACTCCTCACCAGCTTCCCACG
 ACCCTGGTTGCCAATGGGCGGGGAGACATTGTATACACATCATGCTATTTAAAATACGT
 TCAAATATAGTGAATGCTAATTAACCATATTGGTATATAACCGGAATTTTATATTA
 AAGGGCCTCCTTTTTAAATATATGCCGTGAAAAATGACTTATAGGAACATCTCTTT
 GAATTGATTTCTGTATATTACATACTTAGAGAGAGACTCTTTTAGCCAGGCAAAGTCT
 TTTTGGCTGTGCTGGAATAAATCATTTATTACTTGGGAGTCCCATTTTGGACACTAAT
 AATAAATCATGGCAATGCAAAAAAAAAAAAAAAAAA

Restriction Sites: Please inquire

ACCN: NM_017983

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:

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_017983.3](#), [NP_060453.2](#)

RefSeq Size: 1895 bp

RefSeq ORF: 1341 bp

Locus ID: 55062

UniProt ID: [Q5MNZ9](#)

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).