

Product datasheet for **SC302716**

WIPI2 (NM_001033519) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	WIPI2 (NM_001033519) Human Untagged Clone
Tag:	Tag Free
Symbol:	WIPI2
Synonyms:	ATG18B; Atg21; CGI-50; IDDSSA; WIPI-2
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>SC302716 representing NM_001033519. Blue=Insert sequence Red=Cloning site Green=Tag(s)

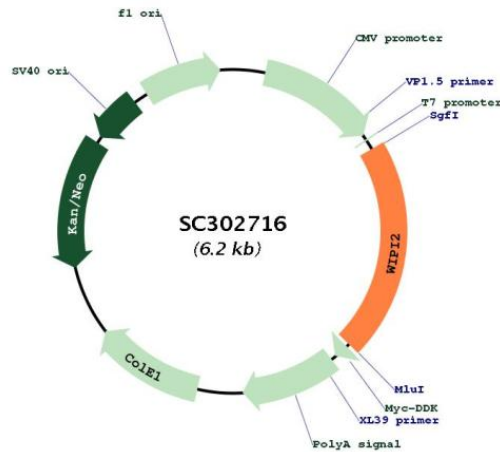
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GAACAGATCTATGAATGCACCGATACGGAAGATGTGTGCATTGTAGAGAGATTGTTCTCCAGCAGCCTA
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ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGAT
TACAAGGATGACGACGATAAGGTTAAACGGCCGGC
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Restriction Sites: Sgfl-MluI

Plasmid Map:



ACCN: NM_001033519

Insert Size: 1278 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: 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_001033519.1](#)

RefSeq Size: 4402 bp

RefSeq ORF: 1278 bp

Locus ID: 26100

UniProt ID: [Q9Y4P8](#)

Cytogenetics: 7p22.1

MW: 46.4 kDa

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 (4) lacks an alternate in-frame 5' exon and uses an alternate in-frame splice junction in a 3' exon compared to variant 1. The resulting isoform (d) has the same N- and C-termini but is shorter compared to isoform a.