

Product datasheet for **RC237362**

WIPI2 (NM_001278299) Human Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: WIPI2 (NM_001278299) Human Tagged ORF Clone
Tag: Myc-DDK
Symbol: WIPI2
Synonyms: ATG18B; Atg21; CGI-50; IDDSSA; WIPI-2
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
ORF Nucleotide Sequence: >RC237362 representing NM_001278299
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGGATCGCC**

ATGAAGGTGCTGCATACGATCAGGGAGACGCCTCCAAACCCTGCAGGCCTGTGTGCGCTGTCAATCAACA
ACGACAACCTGCTACTTGGCGTACCCAGGGAGCGGACCATCGGAGAGGTGCAGGTCTTCGATACCATTAA
TTTGAGAGCTGCAAACATGATTCGGCTCAGCACAGTCTTTAGCGGCACTGGCCTTTGACGCAAGTGGA
ACTAAACTTGCCACGGCTTCGGAGAAGGGGACCGTGATTAGGGTATTTCCATTCCAGAAGGACAAAAAC
TCTTTGAGTTTCGGAGAGGAGTAAAGAGGTGCGTGAGCATCTGCTCCCTGGCCTTCAGCATGGACGGCAT
GTTCTCTCCGCCTCCAGCAACACTGAGACCGTGACATCTTCAAACCTCGAGACTGTGAAAGAAAAACCC
CCAGAGGAGCCCACCACCTGGACCGGTAATTCGGGAAAGTGCTCATGGCCTCCACCAGCTACCTGCCTT
CCCAAGTGACAGAAATGTTCAACCAGGGCAGAGCCTTCGCCACGGTCCGCCTGCCATTCTGCGGCCACAA
AAACATCTGCTCGCTAGCCACAATTCAGAAGATCCCGCGTGTGTGGTGGGTGCCGCCGACGGGTACCTG
TACATGTACAACCTGGACCCCGAGGAGGGCGGCGAGTGTGCCCTGATGAAGCAGCACCGGCTGGACGGCA
GTCTGGAACGACCAATGAGATCTTGGACTCTGCCTCTCAGCACTGCCCTTAGTCACTCAGACATACGG
CGCAGCTGCAGGAAAAGTACTTACGTGCCTTCATCCCCAACGAGACTTGCTACACAGACGACCTGGGT
GCTGTGGGTGGCCCTGCCTGGAGGACGAGGCCAGCGCCCTGCGCCTGGATGAGGACAGCGAGCACCCGC
CCATGATTCTTCGGACTGAC

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >RC237362 representing NM_001278299
Red=Cloning site Green=Tags(s)

MKVLHTIRETPPNPAGLCALSINNDNCYLAYPGSATIGEYVQVFDITINLRAANMIPAHDSPLAALAFDASG
 TKLATASEKGTVIRVFSIPEGQKLFERRGVKRCVSICSLAFSMDGMFLSASSNTETVHIFKLETVKEKP
 PEEPTTWTGYFGKVLMASTSYLPSQVTEMFNQGRAFATVRLPFCGHKNICSLATIQKIPRLLVGAADGYL
 YMYNLDPQEGGECALMKQHRLDGSLETTNEILDSASHDCPLVTQTYGAAAGKGTVPSSPTRLAYTDDL
 AVGGACLEDEASALRLDEDESEHPPMILRTD

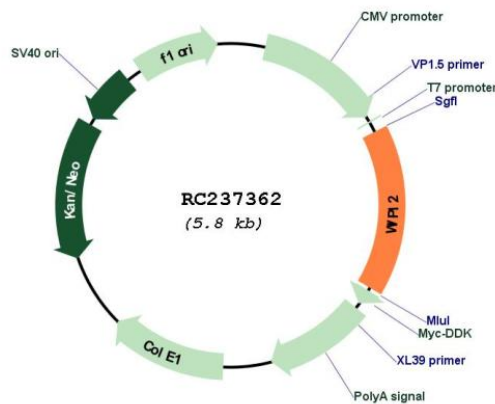
TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM_001278299

ORF Size: 930 bp

OTI Disclaimer:	The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. More info
OTI Annotation:	This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
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_001278299.2
RefSeq Size:	4663 bp
RefSeq ORF:	933 bp
Locus ID:	26100
UniProt ID:	Q9Y4P8
Cytogenetics:	7p22.1
MW:	34 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]