

Product datasheet for RC203546

WIPI2 (NM_016003) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	WIPI2 (NM_016003) 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:	>RC203546 representing NM_016003 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGGATCGCC**

ATGAACCTGGCGAGCCAGAGCGGGGAGGCCGGCCGGCCAGCTGCTCTTCGCCAACTTCAACCAGGACA
ACAGTCCCTAGCTGTTGGTAGTAAGTCCGGTTATAAATTTTCTCCCTTCTTCTGTGGATAAGCTGGA
ACAGATCTATGAATGCACCGATACGGAAGATGTGTGCATTGTAGAGAGATTGTTCTCCAGCAGCCTAGTG
GCCATCGTGAGCCTTAAAGCACCAAGGAAGCTAAAGTTTGCCTTTAAGAAGGGAAGTGAATCTGCA
ACTACAGTACTCCAACACGATTCTGGCTGTGAAGCTCAACAGGCAGAGGCTGATAGTATGCCTGGAGGA
GTCCCTGTACATCCACAACATTCGGGACATGAAGGTGCTGCATACGATCAGGGAGACGCCTCCAAACCT
GCAGGCCTGTGTGCGCTGTCAATCAACAACGACAACCTGCTACTTGGCGTACCCAGGGAGCGGACCATCG
GAGAGGTGCAGGTCTTCGATACCATTAATTTGAGAGCTGCAAACATGATTCGGCTCACGACAGTCTTT
AGCGGCACTGGCCTTTGACGCAAGTGGAACCTAACTTGCACGGCTTCGGAGAAGGGGACCGTGATTAGG
GTATTTCCATTCAGAAGGACAAAACTCTTTGAGTTTCGGAGAGGAGTAAAGAGGTGCGTGAGCATCT
GCTCCCTGGCCTTCAGCATGGACGGCATGTTCTCTCCGCTCCAGCAACACTGAGACCGTGACATCTT
CAAACCTGAGACTGTGAAAGAAAAACCCAGAGGAGCCACCACCTGGACCGGGTACTTCGGGAAAGTG
CTCATGGCCTCCACCAGCTACCTGCCTTCCCAAGTGACAGAAATGTTCAACCAGGGCAGAGCCTTCGCCA
CGGTCCGCTGCCATTCTGCGGCCACAAAAACATCTGCTCGTAGCCACAATTCAGAAGATCCCAGCGTT
GTTGGTGGGTGCCCGGACGGGTACCTGTACATGTACAACCTGGACCCAGGAGGGCGGAGGTGTGCC
CTGATGAAGCAGCACCGGCTGGACGGCAGTCTGGAACGACCAATGAGATCTTGGACTCTGCCTCTCACG
ACTGCCCTTAGTCACTCAGACATACGGCGCAGCTGCAGGAAAAGGTAATCTGCTTATCCCCAAC
GAGACTTGCTACACAGACGACCTGGGTGCTGTGGTGGCGCTGCTGGAGGACGAGGCCAGCCCTG
CGCTGGATGAGGACAGCAGCACCCGCCATGATTCTTCGGACTGAC

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >RC203546 representing NM_016003
 Red=Cloning site Green=Tags(s)

MNLAQSQGEAGAGQLLFANFNQDNTSLAVGSKSGYKFFSLSSVDKLEQIYECTDTEVCIVERLFSSSLV
 AIVSLKAPRKLKVCHFVKGTEICNYSYSNTILAVKLNQRILIVCLEESLYIHNIRDMKVLHTIRETPNP
 AGLCAL SINNDNCYLAYPGSATIGEVQVFDITINLRAANMIPAHDSPLAALAFDASGKTLATASEKGTVIR
 VFSIPEGQKLEFRRGVKRCVSI CSLAFSMDGMFLSASSNTETVHIFKLETVKEKPPPEPTTWTGYFGKV
 LMASTSYLPSQVTEMFNQGRAFATVRLPFCGHKNICSLATI QKIPRLLVGAADGYLYMYNLDPQEGGECA
 LMKQHRLDGSLETTNEILDSASHDCPLVTQTYGAAAGKGTYPSSPTRLAYTDDL GAVGGACLEDEASAL
 RLDEDESEHPPMILRTD

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

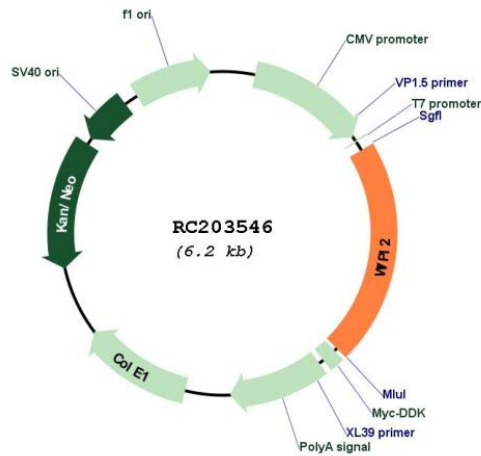
Chromatograms: https://cdn.origene.com/chromatograms/mg3515_f07.zip

Restriction Sites: SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN:	NM_016003
ORF Size:	1308 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.
RefSeq:	NM_016003.2 , NP_057087.2
RefSeq Size:	4435 bp
RefSeq ORF:	1311 bp
Locus ID:	26100
UniProt ID:	Q9Y4P8
Domains:	WD40
MW:	47.4 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]