

Product datasheet for **RG237362**

WIPI2 (NM_001278299) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	WIPI2 (NM_001278299) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	WIPI2
Synonyms:	ATG18B; Atg21; CGI-50; IDDSSA; WIPI-2
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>RG237362 representing NM_001278299. Blue=ORF Red=Cloning site Green=Tag(s)

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GCTCGTTTGTGAAACCGTCAGAATTTGTAAACGACTCACTATAGGGCGCCGGGAATTCGTCGACTG
GATCCGGTACCGAGGAGATCTGCCGCCCGGATCGCC
ATGAAGGTGCTGCATACGATCAGGGAGACGCCTCCAAACCTGCAGGCCTGTGTGCGCTGTCAATCAAC
AACGACAAGTCTACTTGGCGTACCCAGGGAGCGGACCATCGGAGAGGTGCAGGTCTTCGATACCATT
AATTTGAGAGCTGCAAACATGATCCGGCTCACGACAGTCCTTTAGCGGCACTGGCCTTTGACGCAAGT
GGAAGTAACTTGCCACGGCTTCGGAGAAGGGGACCGTGATTAGGGTATTTCCATTCCAGAAGGACAA
AAACTCTTTGAGTTTCGGAGAGGAGTAAAGAGGTGCGTGAGCATCTGCTCCCTGGCCTTCAGCATGGAC
GGCATGTTCTCTCCGCCTCCAGCAACTGAGACCGTGACATCTTCAAACCTCGAGACTGTGAAAGAA
AAACCCCCAGAGGAGCCACCACCTGGACCGGGTACTTCGGGAAAGTGCTCATGGCCTCCACCAGCTAC
CTGCCTTCCCAAGTGACAGAAATGTTCAACCAGGGCAGAGCCTTCGCCACGGTCCGCCTGCCATTCTGC
GGCCACAAAAACATCTGCTCGCTAGCCACAATTCAGAAGATCCCGCGGTTGTTGGTGCGGCCCGGAC
GGGTACCTGTACATGTACAACCTGGACCCCGAGGGCGGCGAGTGTGCCCTGATGAAGCAGCACCCGG
CTGGACGGCAGTCTGAAACGACCAATGAGATCTTGACTCTGCCTCTCACGACTGCCCTTAGTCACT
CAGACATACGGCGCAGCTGCAGGAAAAGTACTTACGTGCCTTCATCCCCAACGAGACTTGCCATACACA
GACGACCTGGGTGCTGTGGGTGGCGCTGCCTGGAGGACGAGGCCAGCGCCCTGCCCTGGATGAGGAC
AGCGGACACCCGCCATGATTCTCGGACTGAC
ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAAAC
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Protein Sequence: >Peptide sequence encoded by RG237362
 Blue=ORF Red=Cloning site Green=Tag(s)

MKVLHTIRETPPNPAGLCALSINNDNCYLAYPGSATIGEVQVFDITINLRAANMIPAHDSPLAALAFDAS
 GTKLATASEKGTVIRVFSIPEGQKLFERRGKRCVSIKSLAFSMDGMFLSASSNTETVHIFKLETVKE
 KPPEEPTTWTGYFGKVLMASTSYLPSQVTEMFNQGRAFATVRLPFCGHKNICSLATIQKIPRLVGAAD
 GYLYMYNLDPQEGGECALMKQHRLDGSLLETTNEILDSASHDCPLVTQTYGAAAGKGYVPSPTRLAYT
 DDLGAVGGACLEDEASALRLDEDESEHPPMILRTD
 TRTRPLEMESDESGLPAMEIECRITGTLNGVEFELVGGGEGTPEQGRMTNKMKSTKGALTFSPYLLSHV
 MGYGFYHFGTYPSTYENPFLHAINNGGYTNTRIEKYEDGGVLHVSFSYRYEAGRVIGDFKVMGTGFPEP
 SVIFTDKIIRSNATVEHLHPMGDNDLDGSFTRTFSLRDGGYSSVVDSHMHFKSAIHPSILQNGGPMFA
 FRRVEEDHSNTELGIVEYQHAFKTPDADAGEERV

Restriction Sites: SgfI-MluI

Cloning Scheme:



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).

RefSeq: [NM_001278299.2](#)

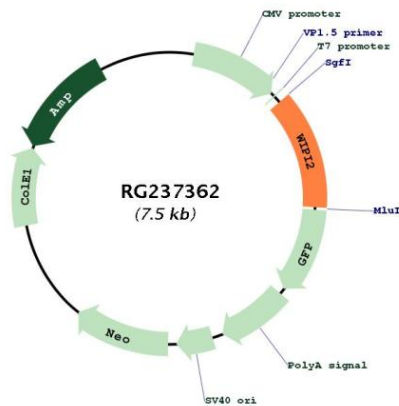
RefSeq Size: 4663 bp

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]

Product images:



Circular map for RG237362