

Product datasheet for **RG208094**

WIPI1 (NM_017983) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	WIPI1 (NM_017983) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	WIPI1
Synonyms:	ATG18; ATG18A; WIPI49
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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ORF Nucleotide Sequence:

>RG208094 representing NM_017983
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGGAGGCCGAGGCCGCGGACGCTCCCCGGGCGGGTTGAGTCGGCGCTCAGCTGCTTCTTTCAACC
 AGGACTGCACATCCCTAGCAATTGGAACATAAGCCGGGATAAGCTGTTTTCTCTGAGTTCTGTGGAGCA
 GCTGGATCAAGTCCACGGAAGCAATGAAATCCCGGACGTCTACATCGTGGAGCGCTCTTCTCCAGCAGC
 CTGGTGGTGGTAGTCAGTCACACAAAACCAGGCAGATGAACGTGTATCACTTCAAGAAAGGCACAGAGA
 TCTGTAATTACAGCTACTCCAGCAACATCTTGTCCATAAGGCTGAACCGCAAAGGCTGTGTTTGCCT
 AGAAGAGTCCATTTATATTCACAACATTAAGACATGAAGCTGTTGAAGACCTCCTGGATATTCCTGCA
 AACCCAACAGGTCTATGTGCTCTCTATCAACCATTCCAATTCTACCTGGCCTATCCTGGAAGCCTGA
 CTTCAGGGGAGATTGTGCTTTATGATGAAACTCCCTGAAAACAGTCTGCACTATTGCTGCCATGAGGG
 AACACTAGCTGCCATCACCTTCAATGCCTCAGGCTCCAACTAGCAAGTGCCTGTAAGAAAGGCACAGTC
 ATCCGGGTGTTCTCTGTCCCTGATGGGCAAAGCTCTATGAGTTCGGAGAGGGATGAAAAGGTATGTGA
 CAATCAGCTCTCTAGTGTTCAGTATGGATTCACAATTCCTCTGCGCCTCCAGTAACACCGAGACGGTACA
 CATCTTCAAGCTGGAACAGGTCACCAACAGTCGACCAGAAGAGCCTTCGACCTGGAGTGGCTACATGGGA
 AAGATGTTTATGGCTGCTACCAACTACCTCCCTACCCAGGTGTCAGACATGATGCATCAGGACAGGGCTT
 TTGCCACTGCACGCTTGAACCTTCCGGACAGAGGAACATCTGTACCCTCTCAACGATCCAGAAGTTGCC
 ACGGCTGCTAGTTGCGTCATCCAGTGGACACCTTTATATGTACAATTTGGATCCTCAGGATGGAGGAGAG
 TGTGTCTTAATCAAACCCACAGCTTGTGGCTCAGGAACAACAGAAGAGAATAAGAAAATGACCTCA
 GACCTTCCCTTACCTCAGTCTTATGCAGCGACCGTAGCCAGACCAAGTGCATCTTCAGCCTCCACGGTGCC
 AGGTTATTCTGAGGACGGCGGGGCGCTGCGAGGAGAAGTTATTCCTGAACATGAGTTTGGCAGCGGACCA
 GTGTGCTTGATGATGAGAATGAGTTTCTCTATAATCTTGTGCCGTGAAATCAGAAGGGCAAACGA
 AGCAGTCA

ACGCGTACGCGGCCGCTCGAG – GFP Tag – GTTTAA

Protein Sequence:

>RG208094 representing NM_017983
 Red=Cloning site Green=Tags(s)

MEAEAADAPPGVESALSCFSFNQDCTSLAIGTKAGYKLFSLSSVEQLDQVHGSNEIPDVYIVERLFFSS
 LVVVVSHTKPRQMNVYHFKKGTEICNYSYSSNILSIRLNQRLLVCLSESIYIHNKMDKLLKTLDDIPA
 NPTGLCAL SINHSNSYLAYPGSLTSGEIVLYDGNLKTVCTIAAHEGLAAITFNASGSKLASASEKGTV
 IRVFSVPDQKLYEFRGMKRYVTISSLVFSMDSQFLCASSNTEVHIFKLEQVTNSRPEEPSTWSGYMG
 KMFMAATNYLPTQVSDMMHQDRAFATARLNFSGQRNICTLSTIQKLPRLLVASSSGHLYMYNLDPDQDGE
 CVLIKTHSLLGSGTTEENKENDLRPSLPQSYAATVARPSASSASTVPGYSEDGGALRGEVPEHEFATGP
 VCLDDENEFPPIILCRGNQKGTKQS

TRTRPLE – GFP Tag – V

Restriction Sites:

SgfI-MluI

Cloning Scheme:


ACCN: NM_017983

ORF Size: 1338 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:

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_017983.4](#)

RefSeq Size: 1895 bp

RefSeq ORF: 1341 bp

Locus ID: 55062

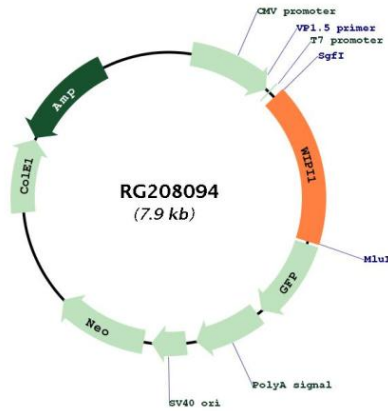
UniProt ID: [Q5MNZ9](#)

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]

Product images:



Circular map for RG208094