

Product datasheet for **RG217601**

WIPF1 (NM_003387) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	WIPF1 (NM_003387) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	WIPF1
Synonyms:	PRPL-2; WAS2; WASPIP; WIP
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



[View online »](#)

ORF Nucleotide Sequence:

>RG217601 representing NM_003387
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGCCTGTCCCTCCCCCTCCAGCACCCCGCCGCCCCGACGTTTGCCTGGCCAATACAGAGAAGCCTA
 CCTTGAATAAGACAGAGCAGGCTGGGAGAAATGCTCTCCTTTCTGATATCAGCAAAGGGAAGAACTAAA
 GAAGACGGTCACCAATGACAGAAGTGCACCAACTGGACAAACCTAAAGGAGCTGGTGGTGGAGCGGT
 GGTGGTGGCTTTGGTGGAGGCGCGGATTTGGCGGAGGAGGTGGTGGCGGAGCGGTGGAAGTTTGGAG
 GGGGGGACCTCCAGGTCTGGGAGGATTGTTCCAGGCTGGAATGCCAAGCTGAGATCCACGGCCAACAG
 GGATAATGATTCTGGAGGAAGCCGACCACCATTGTTGCCACCGGGAGGAAGATCCACATCTGCGAAACCC
 TTTTACCCCCAAGTGGCCAGGAGGTTTCTGTGCCTTCTCCAGGCCACAGAAGTGGTCCCCCAGAGC
 CTCAGAGGAACCGAATGCCGCCCAAGGCCGACGTGGGCTCAAAGCCTGATAGCATTCTCTCCAGT
 ACCTAGTACTCCAAGACCCATTCATCAAGTCCGCACAACCGGGGTCCCACCAGTGCCCGGAGGCCCC
 AGGCAGCCAGCCCCGGGCCACTCCTCCCCCTTCCCTGGAAACCGCGGCACTGCTTTGGGAGGAGGCT
 CAATACGTCAGTCCCCCTTGAGCTCCTCCTCGCCCTTCTCCAACCGGCCTCCCCTGCCGCCTACCCCCAG
 CAGGGCCTTGGATGACAAACCCCTCCACCACCTCCTCCAGTGGGCAACAGGCCCTCCATCCACAGGGAA
 GCGGTTCCCCCTCCTCCTCCTCAGAACAAACAGCCTCCAGTGCCTTCCACTCCGCGGCCTTCGGCCTCCT
 CACAGGCCACCTCCGCGCCACCTCCAGCAGGCCCGGGCCGCTCCTCTGCCTCAAAGTTCACAGCGG
 CAATGACGAAACCCCAAGACTCCACAGCGAATCTGTCCCTCAGTTCGTCACGCCCCGTTACCTTCG
 CCAGGACGTTCAGTCTCTTCTCCCCGCCAGTGGAGACCCCACTCCAGTGAGGGACCCGCCAG
 GCCGATCAGGCCCTCCACCACCTCCTCCAGTAAGCAGAAACGCGAGCACATCTCGGGCCTGCCTGC
 TACCCCTCAGTTGCCATCCAGGAGTGGAGTAGACAGTCCAGGAGTGGACCCAGGCTCCCCTTCTCCT
 GATAGGCCAGTCTGGGGCACCTCCCCACCTCCACCATCAACATCTATTAGAAATGGCTTCAAAGACT
 CTCCATGTGAAGATGAGTGGGAAAGCAGATTCTACTTCCATCCGATTTCCGATTTGCCACCTCCAGAGCC
 ATATGTACAAACGACCAAAAGTTATCCAGCAAAGTGGCAAGAAACGAAAGCCGGAGTGGATCCAACCGA
 AGAGAAAGGGGTCTCCACCCTCCCTCCATCCCGAGG

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence:

>RG217601 representing NM_003387
 Red=Cloning site Green=Tags(s)

MPVPPPPAPPPPTFALANTEKPTLNKTEQAGRALLSDISKGKLLKKTVTNDRSAPILDKPKGAGAGGG
 GGGFGGGGGGGGGGGGGGGSGGGGPPGLGGLFQAGMPKLRSTANRDNDSGGSRPPLPPGGRSTSAKP
 FSPPSGRFPVPSGHRSGPPEPQRNRMPPRPDVGSKPDSIPPPVPSTPRPIQSSPHNRGSPVPVGGP
 RQPSGPTPPFPGNRGTALGGGSIHQSPSSSPF SNRPPLPPTPSRALDDKPPPPPPVGNRPSIHRE
 AVPPPPQNNKPPVPSTPRPSASSQAPPPPPSRPGPPPLPSSSGNDETPRLPQRNLSLSSSTPLPS
 PGRSGPLPPPSERPPPPVRDPPGRSGPLPPPPVSRNGSTSRALPATPQLPSRSGVDSRSPRPPLPP
 DRPSAGAPPPPPSTIRNGFQDSPCEDEWESRFYFHPISDLPPPEPVVQTTKSYPKSLARNESRSGSNR
 RERGAAPLPIPR

TRTRPLE - GFP Tag - V

Restriction Sites:

Sgfl-MluI

Cloning Scheme:


ACCN: NM_003387

ORF Size: 1509 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_003387.5](#)

RefSeq Size: 4605 bp

RefSeq ORF: 1512 bp

Locus ID: 7456

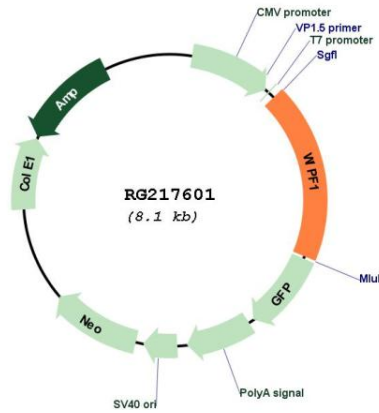
UniProt ID: [O43516](#)

Cytogenetics: 2q31.1

Domains: WH2

Gene Summary: This gene encodes a protein that plays an important role in the organization of the actin cytoskeleton. The encoded protein binds to a region of Wiskott-Aldrich syndrome protein that is frequently mutated in Wiskott-Aldrich syndrome, an X-linked recessive disorder. Impairment of the interaction between these two proteins may contribute to the disease. Two transcript variants encoding the same protein have been identified for this gene. [provided by RefSeq, Jul 2008]

Product images:



Circular map for RG217601