

Product datasheet for **RC212019**

WIPF1 (NM_001077269) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	WIPF1 (NM_001077269) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	WIPF1
Synonyms:	PRPL-2; WAS2; WASPIP; WIP
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



[View online »](#)

ORF Nucleotide Sequence:

>RC212019 representing NM_001077269
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGCCTGTCCCTCCCCCTCCAGCACCCCGCGCCCCGACGTTTGCCTGGCCAATACAGAGAAGCCTA
 CCTTGAATAAGACAGAGCAGGCTGGGAGAAATGCTCTCCTTTCTGATATCAGCAAAGGGAAGAACTAAA
 GAAGACGGTCACCAATGACAGAAGTGCACCAATACTGGACAAACCTAAAGGAGCTGGTGTGGAGGCGGT
 GGTGGTGGCTTTGGTGGAGGCGGCGGATTTGGCGGAGGAGGTGGTGGCGAGGCGGTGGAAGTTTGGAG
 GGGGCGGACCTCCAGGTCTGGGAGGATTGTTCCAGGCTGGAATGCCGAAGCTGAGATCCACGGCCACAG
 GGATAATGATTCTGGAGGAAGCCGACCACATTGTTGCCACGGGAGGAAGATCCACATCTCGGAAACCC
 TTTTACCCCCAAGTGGCCAGGAGGTTTCTGTGCTTCTCCAGGCCACAGAAGTGGTCCCCCAGAGC
 CTCAGAGGAACCAATGCCGCCCAAGGCCGACGTGGGCTCAAAGCCTGATAGCATTCTCTCCAGT
 ACCTAGTACTCCAAGACCCATTCAATCAAGTCTGCACAACGGGGGTCCCACCAGTGCCCGAGGCCCC
 AGGCAGCCAGCCCCGGGCCACTCCTCCCCCTTCCCTGGAAACCGCGCACTGCTTTGGGAGGAGGCT
 CAATACGTCACTCCCCCTTGAGCTCCTCCTCGCCCTTCTCCAACCGGCCTCCCCTGCCGCCTACCCCCAG
 CAGGGCCTTGGATGACAAACCCCTCCACCACCTCCTCCAGTGGGCAACAGGCCCTCCATCCACAGGGAA
 GCGGTTCCCCCTCCTCCTCCTCAGAACAAAGCCTCCAGTGCCTTCCACTCCGCGGCCTTCGGCCTCCT
 CACAGGCCACCTCCGCGGCCACCTCCAGCAGGCCCGGGCGCCTCCTCTGCCTCAAAGTTCAGCGG
 CAATGACGAAACCCCAAGACTCCACAGCGAATCTGTCCCTCAGTTCGTCACGCCCCGTTACCTTCG
 CCAGGACGTTCAGGTCTTCTCTCCCCCGCCAGTGAGAGACCCCACTCCAGTGAGGAGCCCGCCAG
 GCCGATCAGGCCCTCCACCACCTCCTCCAGTAAGCAGAAACGGCAGCACATCTCGGGCCTCGCTGC
 TACCCCTCAGTTGCCATCCAGGAGTGGAGTAGACAGTCCAGGAGTGGACCCAGGCCTCCCCTTCTCCT
 GATAGGCCAGTGTGGGACCTCCCCACCTCCACCATCAACATCTATTAGAAATGGCTTCAAAGACT
 CTCCATGTGAAGATGAGTGGGAAAGCAGATTCTACTTCCATCCGATTTCCGATTTGCCACCTCCAGAGCC
 ATATGTACAAACGACCAAAAGTTATCCAGCAAACTGGCAAGAAACGAAAGCCGGAGTGGATCCAACCGA
 AGAGAAAGGGGTGCTCCACCACTCCCTCCATCCCGAGG

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>RC212019 representing NM_001077269
 Red=Cloning site Green=Tags(s)

MPVPPPPAPPPPTFALANTEKPTLNKTEQAGRNALLSDISKGKLLKKTVTNDRSAPILDKPKGAGAGGG
 GGGFGGGGFSGGGGGGGGSGGGGPPGLGGLFQAGMPKLSTANRDNDSGGSRPPLPPGGRSTSAKP
 FSPSPGGRFPVPSGHRSGPPEPQRNRMPPRPDVGSKPDSIPPPVPSTPRPIQSSLHNRGSPVPVGGP
 RQPSGPTPPFPNGRTALGGGSIRQSPLSSSSPFSNRPPLPPTPSRALDDKPPPPPPVGNRPSIHRE
 AVPPPPQNNKPPVPSTPRPSASSQAPPPPPPSRPGPPPLPPSSSGNDETPRLPQRNLSLSSSTPLPS
 PGRSGPLPPPSERPPPPVRDPPGRSGPLPPPPVSRNGSTSRALPATPQLPSRSGVDSRSGRPPLPP
 DRPSAGAPPPPPSTIRNGFQDSPCEDEWESRFYFHPISDLPPPEPYVQTTKSYPSKLARNESRSGSNR
 RERGAPPLPIPR

TRTRPLE**QKL**ISEEDLAANDILDYKDDDDKV

Chromatograms:

https://cdn.origene.com/chromatograms/mk6046_d01.zip

Restriction Sites:

Sgfl-MluI

Cloning Scheme:


ACCN: NM_001077269

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.

Note: Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.

RefSeq: [NM_001077269.1](#), [NP_001070737.1](#)

RefSeq Size: 4664 bp

RefSeq ORF: 1512 bp

Locus ID: 7456

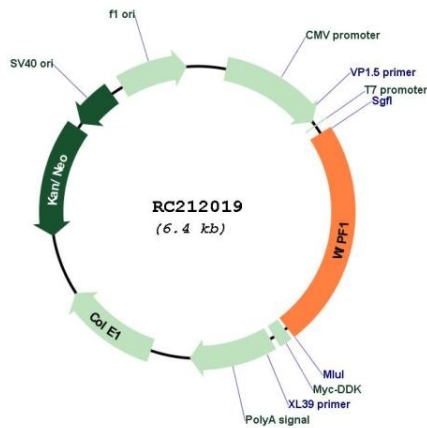
UniProt ID: O43516

Cytogenetics: 2q31.1

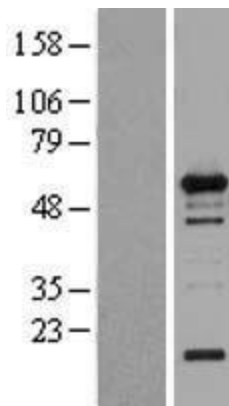
MW: 51.1 kDa

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]

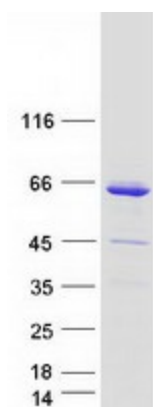
Product images:



Circular map for RC212019



Western blot validation of overexpression lysate (Cat# [LY401163]) using anti-DDK antibody (Cat# [TA50011-100]). Left: Cell lysates from untransfected HEK293T cells; Right: Cell lysates from HEK293T cells transfected with [RC217601] using transfection reagent MegaTran 2.0 (Cat# [TT210002]).



Coomassie blue staining of purified WIPF1 protein (Cat# [TP312019]). The protein was produced from HEK293T cells transfected with WIPF1 cDNA clone (Cat# RC212019) using MegaTran 2.0 (Cat# [TT210002]).