

Product datasheet for **SC112928**

WRCH1 (RHOU) (NM_021205) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	WRCH1 (RHOU) (NM_021205) Human Untagged Clone
Tag:	Tag Free
Symbol:	WRCH1
Synonyms:	ARHU; CDC42L1; G28K; hG28K; WRCH1
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL4</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>OriGene ORF within SC112928 sequence for NM_021205 edited (data generated by NextGen Sequencing)

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ATGCCCCCGCAGCAGGGGACCCCGCGTTCGCCGACCGCTGCGAGGCGCCTCCGGTGCCG
CCGCGTCGGGAGCGCGGTGGACGCGGGGACGCGGCCTGGGGAGCCGGGGGCCGGGGG
CGTGCGGGGGTCCGAGGGGCGCGCGTCAAGTGCGTGCTGGTCGGCGACGGCGCGGTG
GGCAAGACGAGCCTGGTGGTGGCTACACCACCAACGGCTACCCACCGAGTACATCCCT
ACTGCCTTCGACAATTCTCCGCGGTGGTGTCTGTGGATGGGCGGCCCGTGAGACTCCAA
CTCTGTGACTGCCGGACAGGATGAATTTGACAAGCTGAGGCCTCTCTGTACACCAAC
ACAGACATCTTCTGCTCTGCTCAGTGTGCGTGGCCCTCATCCTCCAGAACGTCAGT
GAGAAATGGGTGCCGGAGATTGATGCCACTGTCCAAAGCCCCATCATCCTAGTTGGA
ACGCAGTCGGATCTCAGAGAAGATGTCAAAGTCCTCATTGAGTTGACAAATGCAAAGAA
AAGCCAGTGCCTGAAGAGCGGCTAAGCTGTGCGCCGAGGAAATCAAAGCCGCCTCTAC
ATCGAGTGTTCAGCCTTGACTCAAAAAACCTCAAAGAGGTCTTTGATGCAGCCATCGTC
GCTGGCATTCAATACTCGGACACTCAGCAACAGCCAAAGAAGTCTAAAAGCAGGACTCCA
GATAAAATGAAAAACCTCTCAAGTCCTGGTGGAGAAGTACTGCTGTTTCGTATGA
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Clone variation with respect to NM_021205.5



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5' Read Nucleotide Sequence:

>OriGene 5' read for NM_021205 unedited
 CGGCCGGCGAATTCGCACGAGGGCGCTCGGACCCTGTCTCCAACAGCGCAGGGCAGAG
 CGGCTGGCGCCGCGGAGCGCGGAGCCACGACCCTCCCTGGCCGCTTTGTCTACTGGCC
 GTGCGGCCCGAAACCGCCACTCTCCAGGGCCGGGACGCGCCCGCAGCTGTGGTGACAG
 CTCTCCCTACCGCAACCCTCCGGGGCGGAGGGGCGGTGGGGCCGGCCCTGCTAGCCCG
 CGACCGCAAGCCCGCGCTCGCGGATCGATGCCCCCGCAGCAGGGGGACCCCGGTTCCCC
 GACCGCTGCGAGGCGCCTCCGGTGCCCGCGCTCGGGAGCGCGGTGGACGCGGGGACGC
 GGGCCTGGGAGCCGGGGGGCCGGGGGCGTGGGGGGGTGCCGAGGGGCGCGGCTCAAG
 TGGTGTGGTGGCGACGGCGCGGTGGCAAGACGAGCCTGGTGGTGGCTACACCACC
 AACGGCTACCCACCGAGTACATCCCTACTGCCTTCGACAACCTTCCGCGGGTGGTGT
 TGTGGATGGGGCGGGCCCGTGGAGTCCAACTCTGTGACTGCCGGACAGGATGAATNT
 GACAAGCTGAGGCCTCTCTGCTACACCAACACAGACATCTTCTGCTCTGCTCAGTGGT
 CGTGAGCCCTCATCCTCCAGAACGTCAGTGAGAAAATGGGTGCCGGGAGATTCGATGC
 CACCTGTCCAAAAGCCCCATCATCTAGNTGGNAAACGCAGTCGGATCTCANAAAAAG
 AGGTCAAAGTCTCATTGGAGTTGGACAAATGCAAAGAAAAGCCAGTGCCTGGAGAGGCN
 NGCTAATCTGTGGCCGAAGAAATCAAAGGCGCCTCTACAACCAGTGGTCA

3' Read Nucleotide Sequence:

>OriGene 3' read for NM_021205 unedited
 ATGGACCGCGCGCCGAATCTAGAGTCGAGTTTTTTTTTTTTTTTTTTTTCATAAGTCAGAA
 TTTATTTTCATACCATCTCACTTATAGCATTTCAGTACAACATTCTGCTCAACATCATT
 TACACTTGAACAGAAAAGCACAACCTGGTAAGGCACCAGGTTACGATAGTCTGGAGAG
 AAGGCCTTGTCCATTTTGGCTTGTGTAATACCTGGGTAGTTTCTCTTGAGTCTGTCAA
 GCAGAGAACAAAGTTATAAAAAGTCCATTATACATACATGGTAACAAGAGATAACAAC
 AGTTTTGAAGTATGCTGTATTTATAAATTATAATGGTGGCCTACACTTGTAGTTCAGCCA
 AAGTGGCATTCTCTAAAGCAAAATTTCTATAAAATCTTCTCTGCAATACCAAGCTGCAAG
 TTTAACAATTTTTAGCTTTGAAGTGAACCAACTTTATATTTAACTCAAACACATACTTT
 AAAACATTTTTCGGCCCAAACCTCTATGTTACGAAGAAATAAAAATGGAGGAAAATCTC
 AAGTATAATCGTACCTTTACTATTCTATAAAAATGCAGCAATATATTTAAAAACTGTTGC
 ATTTAAAGGTCAACCCACTAGATTTTTAACACTAACAGTCCAAGGTGTTATCAACCCAC
 TTTAAATCAACTGTATAAAGCTTTCAGAACTGGGCCACACAGGTGTACTTCACTGAGCA
 CTTTCCACCCATGGCCTAAAGGCAGGAGGTGTGGAAGTCCCTCCAGGGAGACCAACTGC
 AGCCCCATACACTGTACACGCATAAAAACCTCCTTTAAGTTTTGTGTTCTATCTCAAAAT
 GAAATTTGCCTATACTCAATGCCATTTACTTTATATAAAAAAGTGGTTCAAACCGCTACA
 GTTAAATACTTATCTTTCTCCACTCCAGCCCCAGAAGGTAGANCCAGTCTGTAAGCT
 ANCTTCCAAAAGGTACCCAGCCCGCAGAAGACCGTTTTAGTAGGCATTTTAC

Restriction Sites:

ECoRI-NOT

ACCN:

NM_021205

Insert Size:

3900 bp

OTI Disclaimer:

Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).

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:	<ol style="list-style-type: none">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_021205.4 , NP_067028.1
RefSeq Size:	4369 bp
RefSeq ORF:	777 bp
Locus ID:	58480
UniProt ID:	Q7L0Q8
Cytogenetics:	1q42.13
Domains:	ras, RAN, RAS, RHO, RAB
Protein Families:	Druggable Genome
Gene Summary:	<p>This gene encodes a member of the Rho family of GTPases. This protein can activate PAK1 and JNK1, and can induce filopodium formation and stress fiber dissolution. It may also mediate the effects of WNT1 signaling in the regulation of cell morphology, cytoskeletal organization, and cell proliferation. A non-coding transcript variant of this gene results from naturally occurring read-through transcription between this locus and the neighboring DUSP5P (dual specificity phosphatase 5 pseudogene) locus.[provided by RefSeq, Mar 2011]</p> <p>Transcript Variant: This variant (1) represents the longer transcript and encodes the functional protein.</p>