

Product datasheet for **SC323988**

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:	Neomycin
Vector:	pCMV6-AC (PS100020)
E. coli Selection:	Ampicillin (100 ug/mL)

Fully Sequenced ORF: >OriGene sequence for NM_021205.4
 CGGCGCTCGGACCGCTGTCTCCAACAGCGCAGGGCAGAGCGGCTGGCGCCCGCGGAGCG
 CGGAGCCACGACCCTCCCTGGCCGCTTTGTCTACTGGCCGTGCGGCCCGGAACGCCAC
 TCTCCAGGGCCGGGACGCGCCCGCAGCTGTCGGTGACAGCTCCTCCCTACCGCAACCCT
 CCGGGGCGGAGGGGCGGTGCGGGCCGGCCCTGCTAGCCCGCAGCCGAAGCCCGCCTCG
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 CGCGGTGGCAAGACGAGCCTGGTGGTACACCACCAACGGCTACCCACCGAGTA
 CATCCCTACTGCCTTCGACAACCTCCTCCGCGTGGTGTCTGTGGATGGGCGCCCGTGAG
 ACTCCAACCTGTGACACTGCCGACAGGATGAATTTGACAAGCTGAGGCCTCTCTGCTA
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AAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAA

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Restriction Sites:

ECORI-NOT

ACCN:

NM_021205

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).

OTI Annotation:	This TrueClone is provided through our Custom Cloning Process that includes sub-cloning into OriGene's pCMV6 vector and full sequencing to provide a non-variant match to the expected reference without frameshifts, and is delivered as lyophilized plasmid DNA.
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:	<u>NM_021205.4</u> , <u>NP_067028.1</u>
RefSeq Size:	4369 bp
RefSeq ORF:	777 bp
Locus ID:	58480
UniProt ID:	<u>Q7L0Q8</u>
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>