

Product datasheet for **SC125981**

CCDC53 (WASHC3) (NM_016053) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	CCDC53 (WASHC3) (NM_016053) Human Untagged Clone
Tag:	Tag Free
Symbol:	CCDC53
Synonyms:	CCDC53; CGI-116
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>OriGene sequence for NM_016053 edited <pre> GGGGGAACTCGGGGTCCACCGCCCGCTGAGGAGATGGATGAGGACGGGCTTCCTCTCATG GGGTCAGGCATAGACCTGACCAAGGTGCCAGCTATTCAACAGAAAAGAACGGTGGCTTTT CTAAACCAATTTGTGGTGACACTGTACAGTTCCTCAACCGCTTTTCTACAGTTTGTGAG GAGAACTGGCAGACCTTTCACCTCGTATCCAACAAATTGAAACAACTCTCAATATTTTA GATGCAAAGTTGTCATCTATCCCAGGCCTAGATGATGTCACAGTTGAAGTATCTCCTTTA AATGTCACCAAGTGTACAAATGGAGCACATCCTGAAGCCACTTCAGAGCAACCACAGCAG AGCAGTACACAAGACTCTGGACTACAGGAAAGTGAAGTATCAGCAGAAAATATCTTAACT GTAGCCAAGGATCCAAGATATGCCAGATATCTCAAAATGGTTCAAGTGGGTGTACCAAGT ATGGCAATAAGAAACAAAATGATATCAGAAGGACTAGACCCAGATCTTCTTGAGAGGCCA GATGCTCCAGTGCCTGATGGCGAAAGTGAGAAACTGTAGAAGAAAGTTCAGATAGCGAA TCTTCTTTTAGTGATTAAGCTTAATTTTGATAAGAATTACATATGCATGCATAGGGGTAC ATTTACATTCTGTAAGAGATTGAGCCTGAACTCTCTTAGTCATAAAAAACATCAAATGGCC ACATGTCCACTACCAAGCTTCTCTATGTTAAAAAATAATAAAGCAGTTTTTAACCT GCTAAAAAAAAAAAAAAAAAAAAAAAAAAAAA </pre>


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5' Read Nucleotide Sequence:	>OriGene 5' read for NM_016053 unedited CAGGAATTTGTAATACGACTCACTATAGGCGGCGCGAATTCGCCATTACGGCCGGGG AACTCGGGGTCCACCCCGGTGAGGAGATGGATGANGACCGCTTCTCTCATGGGGTC AGGCATAGACCTGACCAAGGTGCCAGCTATTCAACAGAAAAGAACGGTGGCTTTTCTAAA CCAATTTGTGGTGACACTGTACAGTTCCTCAACCGCTTTTCTACAGTTTGTGAGGAGAA ACTGGCANACCTTTCACCTTCGTATCCAACAAATTGAAACAACCTCTCAATATTTTAGATGC AAAGTTGTCATCTATCCAGGCCTAGATGATGTACAGTTGAAGTATCTCCTTTAAATGT CACCAGTGTACAAATGGAGCACATCCTGAAGCCACTTCAGAGCAACCACAGCAGAGCAG TACACAAGACTCTGGACTACAGGAAAGTGAAGTATCAGCAGAAAAATCTTAACTGTAGC CAAGGATCCAAGATATGCCAGATATCTCAAAATGGTTCAAGTGGGTGTACCAGTGATGGC AATAAGAAACAAATGATATCAGAAGGACTAGACCCAGATCTTCTTGAGAGGCCAGATGC TCCAGTGCCTGATGGCGAAAGTGGAGAACTGTAGAAGAAAGTTCAGATAGCGGATCTTC TTTTAGTGATAAAGCTAATTTTGATAGGAGTTACTAATGCTGCGTAGGGGGTACTTTTAC ATTCTGGTAAAGATGGACCCTGAACTCTCCTAATCATAAAACATCAAAATGGGCGATGTG CACTAACCAGCTCTTTCTTGTTAAAAAAATAATAATTAAGCGGTTTAACTGGGTAA AAAAAAAAAAAAAAAAAAAAATTTGTGGCGGCTTNGCCCTAATTTTAATTGGGGCCG CGGGATAGTTGTTTCCTTAAAAATTCGGGGGGGATCCCTGGAACCCCTTCCAGGGCCCT TTCGGGGCTGGAAG
Restriction Sites:	Please inquire
ACCN:	NM_016053
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:	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_016053.1</u> , <u>NP_057137.1</u>
RefSeq Size:	860 bp
RefSeq ORF:	585 bp
Locus ID:	51019
UniProt ID:	<u>Q9Y3C0</u>
Cytogenetics:	12q23.2

Gene Summary:

Acts at least in part as component of the WASH core complex whose assembly at the surface of endosomes seems to inhibit WASH nucleation-promoting factor (NPF) activity in recruiting and activating the Arp2/3 complex to induce actin polymerization, and which is involved in regulation of the fission of tubules that serve as transport intermediates during endosome sorting (PubMed:19922875, PubMed:20498093).[UniProtKB/Swiss-Prot Function]

Transcript Variant: This variant (1) represents the longer transcript and encodes the longer isoform (1). Sequence Note: This RefSeq record was created from transcript and genomic sequence data to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on transcript alignments.