

## Product datasheet for **SC334358**

### CCDC53 (WASHC3) (NM\_001301107) Human Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	CCDC53 (WASHC3) (NM_001301107) Human Untagged Clone
Tag:	Tag Free
Symbol:	CCDC53
Synonyms:	CCDC53; CGI-116
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>NCBI ORF sequence for NM_001301107, the custom clone sequence may differ by one or more nucleotides

```

ATGGATGAGGACGGGCTTCCTCTCATGGGGTCAGGCATAGACCTGACCAAGGTGCCAGCTATTCAACAGA
AAAGAACGGTGGCTTTTCTAAACCAATTTGGTGCACACTGTACAGTTCCTCAACCGCTTTTCTACAGT
TTGTGAGGAGAACTGGCAGACCTTTCACCTTCGTATCCAACAAATTGAAACAACCTCTCAATATTTAGAT
GCAAAGTTGTCTATCTATCCCAGGCCTAGATGATGTCACAGTTGAAGTATCTCCTTTAAATGTCACCAAGT
TCACAAATGGAGCACATCCTGAAGCCACTTCAGAGCAACCACAGAACAGTACACAAGACTCTGGACTACA
GGAAAGTGAAGTATCAGCAGAAAATATCTTAACTGTAGCCAAGGATCCAAGATATGCCAGATATCTCAA
ATGGTTCAAGTGGGTGTACCAAGTATGGCAATAAGAAACAAAATGATATCAGAAGGACTAGACCCAGATC
TTCTTGAGAGGCCAGATGCTCCAGTGCCTGATGGCGAAAGTGAGAAAAGTGTAGAAGAAAGTTAGATAG
CGAATCTTCTTTTAGTGATTA
  
```

Restriction Sites:	Sgfl-MluI
ACCN:	NM_001301107
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).


[View online »](#)

**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\_001301107.1, NP\_001288036.1

**RefSeq Size:** 1012 bp

**RefSeq ORF:** 582 bp

**Locus ID:** 51019

**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 (2) uses an alternate in-frame splice site in the central coding region compared to variant 1. The encoded isoform (2) is shorter than 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.