

## Product datasheet for **SC334557**

### WFDC1 (NM\_001282467) Human Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	WFDC1 (NM_001282467) Human Untagged Clone
Tag:	Tag Free
Symbol:	WFDC1
Synonyms:	PS20
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>NCBI ORF sequence for NM_001282467, the custom clone sequence may differ by one or more nucleotides

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ATGCCTTTAACCGCGTGGGGCCGGGCAGCTGCAGGAGGCAGATCATCCGGGCTCTGTGCCTCTTGCTAC
TTCTCCTCCACGCCGGCTCTGCCAAGAATATCTGGAAACGGGCATTGCCTGCGAGGCTGGCCGAGAAATC
CCGTGCCGAGGAGCGGGCGCGCCCGGGCCCGCCGAGCCCGAGCAGACCGCTGCCCGCCGCTCCG
CGGACGCTGCCCCCGCGCCTGCCAGGCCGCGCGCTGTCAGGCGGACTCCGAGTGCCCGCGGCACCGGC
GCTGCTGTACAACGGATGCGCCTACGCTGCCTAGAAGCTGTGCCGCCCGCCAGTCTTAGACTGGCT
GGTGCAGCCGAAACCTCGATGGCTTGGTGGCAATGGCTGGCTCCTGGATGGCCCTGAGGAGGTGTTACAA
GAGGCGTGCAGCACCACGAGGATGGGGCCGAACCCCTGCTCTGTCCCTCGGGCTATGAGTGCCACATCC
TGAGCCCAGGTGACGTGGCCGAAGGTATCCCAACCGTGGGAGTGCCTCAAGCAGCGCCGCAAGCAGA
TGGGCGAATCCTACGACAAACTTTACAAAGAATATCCAGAAGGTGACTCAAAGAATGTGGCAGAACCT
GGAAGGGGACAACAGAAGCACTTTCAGTAA
```

Restriction Sites:	Sgfl-MluI
ACCN:	NM_001282467
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).



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**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\\_001282467.1](#), [NP\\_001269396.1](#)

**RefSeq Size:** 1472 bp

**RefSeq ORF:** 660 bp

**Locus ID:** 58189

**UniProt ID:** [Q9HC57](#)

**Cytogenetics:** 16q24.1

**Protein Families:** Secreted Protein

**Gene Summary:** This gene encodes a member of the WAP-type four disulfide core domain family. The WAP-type four-disulfide core domain contains eight cysteines forming four disulfide bonds at the core of the protein, and functions as a protease inhibitor in many family members. This gene is mapped to chromosome 16q24, an area of frequent loss of heterozygosity in cancers, including prostate, breast and hepatocellular cancers and Wilms' tumor. This gene is downregulated in many cancer types and may be involved in the inhibition of cell proliferation. The encoded protein may also play a role in the susceptibility of certain CD4 memory T cells to human immunodeficiency virus infection. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Sep 2013]  
Transcript Variant: This variant (3) differs in the 3' UTR and uses an alternate in-frame splice site in the central coding region, compared to variant 1. The encoded isoform (2) is shorter, compared to isoform 1.