

Product datasheet for **SC323832**

WFDC1 (NM_021197) Human Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: WFDC1 (NM_021197) Human Untagged Clone
Tag: Tag Free
Symbol: WFDC1
Synonyms: PS20
Mammalian Cell Selection: Neomycin
Vector: pCMV6-AC (PS100020)
E. coli Selection: Ampicillin (100 ug/mL)

Fully Sequenced ORF: >OriGene sequence for NM_021197.2
 CACTCACAGGCCACGCAGCGAGGGGGCCCTTTCTGTGTGCGTCTGGAAGGTCGCTG
 CCCAGGGAGGAAATGCCTTTAACCGGCGTGGGGCCGGCAGCTGCAGGAGGCAGATCATC
 CGGGCTCTGTGCTCTTGTACTTCTCCTCCACGCCGGCTCTGCCAAGAATATCTGGAAA
 CGGGCATTGCCTGCGAGGCTGGCCGAGAAATCCCGTGCCGAGGAGCGGGCGCGCCGGC
 GGCCCCGGCAGCCCCGAGCAGACCGCTGCCCGCCGCTCCGCGGACGCTGCCCCCCGGC
 GCCTGCCAGGCCGCGCTGTGAGGCGGACTCCGAGTGCCCGCGCACCGGCGTGTGCTG
 TACAACGGATGCGCTACGCTGCCTAGAAGCTGTGCCGCCCCGCCAGTCTTAGACTGG
 CTGGTGACGCCAAACCTCGATGGCTTGGTGGCAATGGCTGGCTCCTGGATGGCCCTGAG
 GAGGTGTTACAAGCAGAGGCGTGCAGCACACGGAGGATGGGGCCGAACCCCTGCTCTGT
 CCCTCGGGCTATGAGTGCCACATCCTGAGCCCAGGTGACGTGGCCGAAGGTATCCCAAC
 CGTGGGCAGTGCGTCAAGCAGCGCCGGCAAGCAGATGGGCGAATCCTACGACACAAACTT
 TACAAAGAATATCCAGAAGGTGACTCAAAGAATGTGGCAGAACCTGGAAGGGGACAAACAG
 AAGCACTTTCAGTAAAGCAACGGCAAGCAGCTAGGTTGCAAGAACATTCCTCTACTTTCT
 GCTAAGCCTTGGAACAGTTGGGAAAAGTAGTTTGACCCCTCACAGTTCACATTCAGCTCA
 GCAGAGCAAGACCCAGAGATGCTTAGAGACAGGACACCTGGCCATCAAACCCAGTTTGG
 CCCAGCCTGGTTGGGTGACTTTGTGGGAGCCACTTAACAGCTCTGGGTCCTGTTTTACC
 ATCCTGGGAGCAAGGCCCTGCAGCTCCACGAGACCTTTACCCGGGAAGAAGCCCGCCGC
 CATGAAAGCATTCTGAAGCCCCTTTCTAAGACAAGGCTCAGCATCTTGATATTTTTGAC
 AGATTCCTCCCAAGTCTGGCTCTGGGAGGTATGTACCCATCTCAAATGTTCCCAAGATAA
 ATTCATCCATCAGGAAATGGAATGAACTTGCTTACTAATGTGTGATTCTAGTTGTAGC
 CACCGGATGTGCTGAGGCCTAAATGTTAGCAGGTGGGAGGAGGCCACAGAACAATAAAAA
 CAACCAATAA

Restriction Sites: ECoRI-NOT
ACCN: NM_021197



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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_021197.2</u> , <u>NP_067020.2</u>
RefSeq Size:	1396 bp
RefSeq ORF:	663 bp
Locus ID:	58189
UniProt ID:	<u>Q9HC57</u>
Cytogenetics:	16q24.1
Domains:	WAP
Protein Families:	Secreted Protein
Gene Summary:	<p>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]</p> <p>Transcript Variant: This variant (1) represents the longest transcript and encodes the longer isoform (1). Both variants 1 and 2 encode the same isoform.</p>