

Product datasheet for **RG236666**

WFDC1 (NM_001282466) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	WFDC1 (NM_001282466) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	WFDC1
Synonyms:	PS20
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>RG236666 representing NM_001282466. Blue=ORF Red=Cloning site Green=Tag(s)

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GCTCGTTTAGTGAACCGTCAGAATTTTGTAAACGACTCACTATAGGGCGCCGGGAATTCGTCGACTG
GATCCGGTACCGAGGAGATCTGCCGCCGCGATCGCC
ATGCCTTTAACCGCGTGGGGCCGGCAGCTGCAGGAGGCAGATCATCCGGGCTCTGTGCCTCTTGCTA
CTTCTCTCCACGCCGGCTCTGCCAAGAATATCTGAAACGGGCATTGCCTGCGAGGCTGGCCGAGAAA
TCCCGTGCCGAGGAGGCGGGCGCGCCCGCGGCCCGCCGAGCCCGAGCAGACCCTGCCCGCCGCT
CCGCGGACGCTGCCCGCGCGCTGCCAGGCCGCGCGTGTAGGCGGACTCCGAGTGCCCGCGGCAC
CGGCGCTGCTGTACAACGGATGCGCCTACGCCTGCCTAGAAGCTGTGCCCGCCCGCCAGTCTTAGAC
TGCTGGTGCAGCCGAAACCTCGATGGCTTGGTGGCAATGGCTGGCTCCTGGATGGCCCTGAGGAGGTG
TTACAAGCAGAGGCGTGCAGCACCGGAGGATGGGGCCGAACCCTGCTCTGCCCTCGGCTATGAG
TGCCACATCCTGAGCCAGGTGACGTGGCCGAAGGTATCCCAACCGTGGCAGTGCGTCAAGCAGCGC
CGGCAAGCAGATGGGCGAATCCTACGACACAACTTTACAAGAATATCCAGAAGGTGACTCAAAGAAT
GTGGCAGAACCTGGAAGGGGACAACAGAAGCACTTTACG
ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAAAC
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Protein Sequence: >Peptide sequence encoded by RG236666
 Blue=ORF Red=Cloning site Green=Tag(s)

MPLTGVGPGSCRRIIRALCLLLLLHAGSAKNIWKRALPARLAEKSRAEEAGAPGGPRQPRADRCPPP
 PRTLPPGACQAARCQADSECPHRRCCYNGCAYACLEAVPPPPVLDWL VQPKPRLWGGNGWLLDGPEEV
 LQAEACSTTEDGAPELLCPSGYECHILSPGDVAEGIPNRGQCVKQRRQADGRILRHKLYKEYPEGDSKN
 VAEPGRGQQKHFQ
 TRTRPLEMESDESGLPAMEIECRITGTLNGVEFELVGGEGTPEQGRMTNKMSTKGALTFSPYLLSHV
 MGYGFYHFGTYPSTYENPFLHAINNGGYTNTRIEKYEDGGVLHVSFSYRYEAGRVIGDFKVMGTGFPED
 SVIFTDKIIRSNAIVEHLHPMGDNDLDGSFTRTFSLRDGGYSSVVDSHMHFKSAIHPSILQNGGPMFA
 FRRVEEDHSNTELGIVEYQHAFKTPDADAGEERV

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_001282466

ORF Size: 660 bp

OTI Disclaimer: The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. [More info](#)

OTI Annotation: This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.

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).

RefSeq: [NM_001282466.2](#)

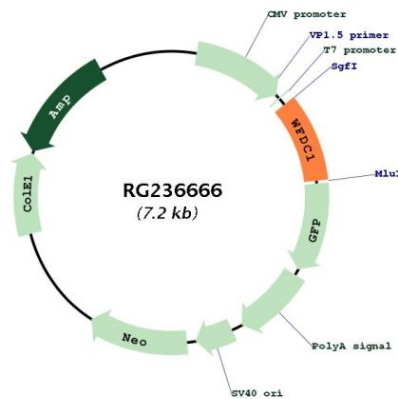
RefSeq Size: 1475 bp

RefSeq ORF: 663 bp

Locus ID: 58189
UniProt ID: [Q9HC57](#)
Cytogenetics: 16q24.1
Protein Families: Secreted Protein
MW: 24 kDa

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]

Product images:



Circular map for RG236666