

Product datasheet for **SC123230**

WFDC5 (NM_145652) Human Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: WFDC5 (NM_145652) Human Untagged Clone
Tag: Tag Free
Symbol: WFDC5
Synonyms: dj211D12.5; PRG5; WAP1
Mammalian Cell Selection: None
Vector: pCMV6-XL5
E. coli Selection: Ampicillin (100 ug/mL)

Fully Sequenced ORF: >OriGene sequence for NM_145652 edited
TGAGGCTGCAGGTGTTAATCTGGGGGCCCTGGGCCCTGAGCCGGCAGCAGAAATATGAG
GACCCAGAGCCTTCTCCTCTGGGGGCCCTCTGGCTGTGGGGAGTCAGCTGCCTGCTGT
CTTTGGCAGGAAGAAGGGAGAGAAATCGGGGGGCTGCCCGCCAGATGATGGGCCCTGCCT
CCTATCGGTGCCTGACCAAGTGCCTGGAAGACAGCCAGTGTCCCTTGACCAGGAAGTGCTG
CTACAGAGCTTGCTTCCGCCAGTGTGTCCCGAGGTCTCTGTGAAGCTGGGCAGCTGCC
AGAGGACCAACTGCGCTGCCTCAGCCCCATGAACCACCTGTGTACAAGGACTCAGACTG
CTCGGGCAAAAAGCGATGCTGCCACAGCGCTGCGGGCGGGATTGCCGGGATCCTGCCAG
AGGCTAATTCTGATTTAGGATCTGTGGCTCTGCACCTAAGCTGGGGACCAACGAAAGAG
TTCACGATGGGAGGCCTGGGGCCCTGCCCGCTGGACAGCACTATCTCTACCAGCGGTGGT
TCCAGCCTTCTGATAATCACTGGCCTGTGACACTTCCCTGCAACCCATCCACCCCTGGT
TTCTCCTCCTGGGAGTCAAAGTCCATAGCCTGAGCTCGGAGGAAGGCCTCTGTATCACCC
CAGTACTCTGCACCACTGCCATACGAGCTTCCCACCCCTTCTAACGCTTTACACCAATC
CGTACATGCTGCTTCTCCACCAAAAATGCCCAATTCAGGCAGACCCCTGACCTCTCCCTC
AGGCAGCCCAACCATCCAGAATGAATATCTTGCAGAGTTTTCCAACATCAGTCATTCA
CCTCTTTCATGATTTTACCATACTACAAAATAGCACCATGATAGGTTGCACGCTGCCT
GTACCACCATTTACTTAATGTTTTCTTTAAATGGCTCACTTTTGTATATAAATAAATTCA
TTTTCAAA
AA
AAAAAAAAAAAAAAAAAAAA



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5' Read Nucleotide Sequence:	>OriGene 5' read for NM_145652 unedited CGTGTTTAGATTTGTATACGACTCATATAGGGCGGCCGCGATTCCCGGNATTGAGCTGC AGGTGTTAATCTGGGGGGCCCTGGGCCCTGAGCCGGCAGCAGAAAATAGAGGACCCAGAG CCTTCTCCTCCTGGGGGCCCTCCTGGCTGTGGGGAGTCAGCTGCCTGCTGTCTTTGGCAG GAAGAAGGGAGAGAAAATCGGGGGGCTGCCGCCAGATGATGGGCCTGCCTCCTATCGGT GCCTGACCAGTGGTGAAGACAGCCAGTGTCCCTTGACCAGGAAGTGTGCTACAGAGC TTGCTTCCGCCAGTGTGTCCCCAGGGTCTCTGTGAAGCTGGCAGCTGCCAGAGGACCA ACTGCGCTGCCTCAGCCCATGAACACCTGTGTACAAGGACTCAGACTGCTCGGGCAA AAAGCGATGCTGCCACAGCGCCTGCGGGCGGGATTGCCGGGATCCTGCCAGAGGCTAATT CTGATTTAGGATCTGTGGCTCTGCACCTAAGCTGGGGACCAACGGAAAGAGTTACAGATG GGAGGCCGTNGGCCCTGCCCGCTGGACAGCACTATCTCTACCAGCGGTGGTTCCAGCCTT CTGATAATCACTGGCCTGCTGACACTTCCCTGCAACCCATCCACCCCTGGTTTCTCTCC TGGGAGTCAAAGTCCATAGCCTGAGCTCGGNAGAAGGCCTCTGTATACCCCACTACTCT GCACCACTGCCATACGAGCTTCCACCCCTCCTAACGCTTTCACACCAATCCGTACATGC TGCTTCTNCACCAAAAATGCCCAATTCANGCAGACCCTGACCTCTCCCCTCAGCAGCCC AACCATCCAGAATGAATATTCTTGCAGAGTTTTCCAACATCAGTCATTACCTCTTTCAT GANTTTCACCATACCTACAAATAGCACCATGATAGGTTGCACGCTGCCTGTACCA
Restriction Sites:	Please inquire
ACCN:	NM_145652
Insert Size:	1100 bp
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_145652.2</u> , <u>NP_663627.1</u>
RefSeq Size:	1008 bp
RefSeq ORF:	372 bp
Locus ID:	149708
UniProt ID:	<u>Q8TCV5</u>
Cytogenetics:	20q13.12

Protein Families: Secreted Protein

Gene Summary: This gene encodes a member of the WAP-type four-disulfide core (WFDC) domain family. Most WFDC proteins contain only one WFDC domain, and this encoded protein contains two WFDC domains. The WFDC domain, or WAP signature motif, contains eight cysteines forming four disulfide bonds at the core of the protein, and functions as a protease inhibitor. Most WFDC gene members are localized to chromosome 20q12-q13 in two clusters: centromeric and telomeric. This gene belongs to the centromeric cluster. [provided by RefSeq, Jul 2008]