

## Product datasheet for **SC307291**

### WFDC8 (NM\_181510) Human Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	WFDC8 (NM_181510) Human Untagged Clone
Tag:	Tag Free
Symbol:	WFDC8
Synonyms:	C20orf170; dj461P17.1; HEL-S-292; WAP8
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>OriGene sequence for NM_181510 edited GAGCCTTAGAGCTGGAGCAAAGTGAGGAAGCTGTCTCCATAGGGAAGAGGCTGATGTGG ACTGTCCGAAGTGAAGGAGGGCACTTTCTCTCCATAGCCCCACCTTCTCCTGGAGGAAT GTAGCTTCTCTGCTGCTTCTCTCCCTTGCTTTGGAGTGGACTTCTGCAATGCTGACCAAG AAGATCAAACACAAACCAGGTTATGTCCCAAAGAGAGGCTCACCTGTACCACTGAACTT CCGGACTCATGTAACACAGATTTTGACTGCAAGGAATACCAGAAGTGTGCTTTTTTGGC TGTGAGAAGAAGTGCATGGATCCCTTTCAAGAACCCTGCACGCTACCTGTGAGGCATGGA AACTGTAATCATGAGGCACAGCGCTGGCATTGACTTTAAAAATTACCGCTGCACACC TTCAAATACAGGGGCTGCGAAGGAATGCCAACAACTTCTTAAATGAGGATGCCTGCAGA ACGGCCTGCATGTTAATTGTTAAGGATGGACAATGCCCACTCTTCCCTTCACTGAACGT AAGGAGTGTCCACCTTCATGTACAGTGACATCGATTGTCCCCAGACAGACAAATGTTGT GAATCCAGGTGTGGCTTTGTTTGTGCCAGGGCCTGGACAGTCAAAAAAGTTTCTGCCCA CGCAAGCCCTTGCTATGTACCAAGATTGATAAACCCAAGTGCCTGCAGGATGAGGAGTGC CCATTGGTGGAAAAGTGCTGCTCACATTGTGGACTGAAATGTATGGACCCAGACGTTGA ATAA



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<b>5' Read Nucleotide Sequence:</b>	>OriGene 5' read for NM_181510 unedited CGGACGGATTTTTGTAATACGACTCCTATAGGGCGGCCGCGATATTCGCCCTTGAGCCTT AGAGCTGGAGCAAAGTGAGGAAGCTGTCTCCATAGGGAAGAGGCCTGATGTGGACTGTCC GAACTGAAGGAGGGCACTTTCTCTCCATAGCCCCACCTTCTCTGGAGGAATGTAGCTT TCCTGTGCTTCTCTCCCTTGCTTTGGAGTGGACTTCTGCAATGCTGACCAAGAAGATCA AACACAAACCAGGGTTATGTCCCAAAGAGAGGCTCACCTGTACCACTGAACCTCCGGACT CATGTAACACAGATTTTGACTGCAAGGAATACCAGAAGTGTGCTTTTTGCCTGTCAGA AGAAGTGCATGGATCCCTTTCAAGAACCCTGCACGCTACCTGTGAGGCATGGAAACTGTA ATCATGAGGCACAGCGCTGGCATTTTGACTTTAAAAATTACCGCTGCACACCCTTCAAAT ACAGGGGCTGCGAAGGGAATGCCAACAACTTCTTAAATGAGGATGCCTGCAGAACGGCCT GCATGTTAATTGTTAAGGATGGACAATGCCCACTTCTCCCTTTCCTGAACGTAAGGAGT GTCCACCTTCATGTCACAGTGACATCGATTGTCCCAGACAGACAAAATGTTGTGAATCCA GGTGTGGCTTTGTTGTGCCAGGGCCTGGACAGTCAAAAAGGTTTCTGCCACGCAAGC CCTTGCTATGTACCAAGATTGATAAACCCAAGTGCCTGCAGATGAGGAGTCCCCATTTGT GGGAAAGTGTGCTCACATTGTGGACTGAAATGTATGGACCCAGACGTTGAATAAAGGG CGAATTTGCAATCTGGTACCGATATTAAGCTTGTGCGACTCATGATGGGGCCGCGTCATA ACTGGTTTCTGAACGAATCCGGGTGCATCCCTGTGGACCCCTCCCCAGTGCCTCTCCT GGCTGGGAGTTGGCAT
<b>Restriction Sites:</b>	Please inquire
<b>ACCN:</b>	NM_181510
<b>Insert Size:</b>	800 bp
<b>OTI Disclaimer:</b>	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).
<b>OTI Annotation:</b>	The open reading frame of this TrueClone was fully sequenced and found to differ from the protein associated to this reference by two amino acids.
<b>Components:</b>	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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"> <li>1. Centrifuge at 5,000xg for 5min.</li> <li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li> <li>3. Close the tube and incubate for 10 minutes at room temperature.</li> <li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li> <li>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.</li> </ol>
<b>RefSeq:</b>	<u><a href="#">NM_181510.1</a></u> , <u><a href="#">NP_852611.1</a></u>
<b>RefSeq Size:</b>	1269 bp
<b>RefSeq ORF:</b>	726 bp
<b>Locus ID:</b>	90199
<b>UniProt ID:</b>	<u><a href="#">Q8IUAA0</a></u>
<b>Cytogenetics:</b>	20q13.12

**Protein Families:** Secreted Protein

**Gene Summary:** This gene encodes a member of the WAP-type four-disulfide core (WFDC) domain family. 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. The encoded protein contains a Kunitz-inhibitor domain, in addition to three WFDC domains. Most WFDC genes are localized to chromosome 20q12-q13 in two clusters: centromeric and telomeric. This gene belongs to the telomeric cluster. Two alternatively spliced transcript variants have been found for this gene, and they encode the same protein. [provided by RefSeq, Jul 2008]  
Transcript Variant: This variant (b) has an alternate 3' UTR and represents the longer transcript, as compared to variant a. Sequence Note: The RefSeq transcript and protein were derived from genomic sequence to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on alignments.