

Product datasheet for **SC305924**

WFDC8 (NM_130896) Human Untagged Clone

Product data:

| | |
|---------------------------|---|
| Product Type: | Expression Plasmids |
| Product Name: | WFDC8 (NM_130896) Human Untagged Clone |
| Tag: | Tag Free |
| Symbol: | WFDC8 |
| Synonyms: | C20orf170; dj461P17.1; HEL-S-292; WAP8 |
| Mammalian Cell Selection: | Neomycin |
| Vector: | pCMV6-Entry (PS100001) |
| E. coli Selection: | Kanamycin (25 ug/mL) |
| Fully Sequenced ORF: | >NCBI ORF sequence for NM_130896, the custom clone sequence may differ by one or more nucleotides |

```
ATGTGGACTGTCCGAACTGAAGGAGGGCACTTTCCTCTCCATAGCCCCACCTTCTCCTGGAGGAATGTAG
CTTTCCTGCTGCTTCTCTCCCTTGCTTTGGAGTGGACTTCTGCAATGCTGACCAAGAAGATCAAACACAA
ACCAGGGTTATGTCCAAAGAGAGGGCTCACCTGTACCACTGAACTTCCGGACTCATGTAACACAGATTTT
GACTGCAAGGAATACCAGAAGTGTCTTTTTTGCCTGTCAGAAGAAGTGCATGGATCCCTTTCAAGAAC
CCTGCATGCTACCTGTGAGGCATGGAACTGTAATCATGAGGCACAGCGCTGGCATTGACTTTAAAAA
TTACCGCTGCACACCCTCAAATACAGGGGCTGCGAAGGGAATGCCAACAACTTCTAAATGAGGATGCC
TGCAGAACGGCCTGCATGTTAATTGTTAAGGATGGACAATGCCCACTCTCCCTTCACTGAACGTAAGG
AGTGTCCACCTTCATGTCACAGTGACATCGATTGTCCCCAGACAGACAAATGTTGTGAATCCAGGTGTGG
CTTTGTTTGTGCCAGGGCCTGGACAGTCAAAAAAGGTTTCTGCCACGCAAGCCCTTGCTATGTACCAAG
ATTGATAAACCAAGTGCCTGCAGGATGAGGAGTGCCCATTTGGTGGAAAAGTGTCTCACATTGTGGAC
TGAAATGTATGGACCCACAGCGTTGA
```

| | |
|--------------------|----------------|
| Restriction Sites: | Please inquire |
| ACCN: | NM_130896 |



[View online »](#)

OTI Disclaimer: Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in E. coli are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA can be purchased from OriGene with batch-specific, full-sequence verification at a reduced cost. Please contact our customer care team at custsupport@origene.com or by calling 301.340.3188 option 3 for pricing and delivery.

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 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:

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_130896.1](#), [NP_570966.1](#)

RefSeq Size: 1069 bp

RefSeq ORF: 726 bp

Locus ID: 90199

UniProt ID: [Q8IUAA0](#)

Cytogenetics: 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 (a) represents the shorter transcript. 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.