

## Product datasheet for **SC306705**

### WFDC10B (NM\_172006) Human Untagged Clone

#### Product data:

|                           |   |
|---------------------------|---|
| Product Type:             | Expression Plasmids   |
| Product Name:             | WFDC10B (NM_172006) Human Untagged Clone  |
| Tag:                      | Tag Free  |
| Symbol:                   | WFDC10B   |
| Synonyms:                 | WAP12   |
| Mammalian Cell Selection: | Neomycin  |
| Vector:                   | pCMV6-Entry (PS100001)  |
| E. coli Selection:        | Kanamycin (25 ug/mL)  |
| Fully Sequenced ORF:      | >SC306705 representing NM_172006.<br>Blue=Insert sequence Red=Cloning site Green=Tag(s) |

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GCTCGTTTAGTGAACCGTCAGAATTTGTAAACGACTCACTATAGGGCCGCCGGGAATTCGTCGACTG
GATCCGGTACCGAGGAGATCTGCCGCCCGGATCGCC
ATGGCACCCAGACTCTGCTGCTGTGCTGTTCTCTGTGTGCTGCTGCAGGCCAGGGAGGATAC
CGTGACAAGATGAGGATGCAGAGAATCAAGGTCTGTGAGAAGCGACCCAGCATAGATCTATGCATCCAC
CACTGTTTCATATTTCCAAAAGTGTGAAACAAATAAGATATGCTGTTTCAGCCTTCTGTGGGAACATTTGT
ATGAGCATCCTATGA
ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGAT
TACAAGGATGACGACGATAAGGTTTAAACGGCCGGC
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|                    |  |
|--------------------|--|
| Restriction Sites: | Sgfl-MluI  |
| ACCN:              | NM_172006  |
| Insert Size:       | 222 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.   |



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|                               |   |
|-------------------------------|---|
| <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_172006.2</a></u>  |
| <b>RefSeq Size:</b>           | 632 bp  |
| <b>RefSeq ORF:</b>            | 222 bp  |
| <b>Locus ID:</b>              | 280664  |
| <b>UniProt ID:</b>            | <u><a href="#">Q8IUB3</a></u>   |
| <b>Cytogenetics:</b>          | 20q13.12  |
| <b>Protein Families:</b>      | Secreted Protein, Transmembrane   |
| <b>MW:</b>                    | 8.3 kDa   |
| <b>Gene Summary:</b>          | <p>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. Most WFDC gene members 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 distinct isoforms. [provided by RefSeq, Jul 2008]</p> <p>Transcript Variant: This variant (1) represents the longer transcript but it encodes the shorter isoform (a), which includes a signal peptide and is a secreted protein.</p> |