

Product datasheet for **SC306724**

WFDC10B (NM_172131) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	WFDC10B (NM_172131) Human Untagged Clone
Tag:	Tag Free
Symbol:	WFDC10B
Synonyms:	WAP12
Vector:	<u>pCMV6 series</u>
Fully Sequenced ORF:	>NCBI ORF sequence for NM_172131, the custom clone sequence may differ by one or more nucleotides ATGGTGTCTTGTGAAAGGAGGGCAAGCAAAAGTGTAGGACAAATTTGCTTTGGGATTTT GGTTACACCTGCAGACTATCCCACAGAAGGAGGAACAGCACTGAAATCCTTTCTCGCAAT CTTCCTGCATTGTACACAGGAATCAAGGTCTGTGAGAAGCGACCCAGCATAGATCTATGC ATCCACCACTGTTTCATATTTCCAAAAGTGTGAAACAAATAAGATATGCTGTTTCAGCCTTC TGTGGGAACATTTGTATGAGCATCCTATGA
Restriction Sites:	Please inquire
ACCN:	NM_172131
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.



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RefSeq: [NM_172131.2](#), [NP_742143.1](#)

RefSeq Size: 477 bp

RefSeq ORF: 270 bp

Locus ID: 280664

UniProt ID: [Q8IU83](#)

Cytogenetics: 20q13.12

Protein Families: Secreted Protein, Transmembrane

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. 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]
Transcript Variant: This variant (2) lacks an internal exon and uses an upstream translation start codon, as compared to variant 1. It encodes the longer isoform (b), which lacks a signal peptide and may be an intracellular protein.