

Product datasheet for **SC301288**

WDHD1 (NM_001008396) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	WDHD1 (NM_001008396) Human Untagged Clone
Tag:	Tag Free
Symbol:	WDHD1
Synonyms:	AND-1; AND1; CHTF4; CTF4
Vector:	<u>pCMV6 series</u>

Fully Sequenced ORF: >NCBI ORF sequence for NM_001008396, the custom clone sequence may differ by one or more nucleotides

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ATGGATAGCAGCCAACAGAAAACATTTTCGAGGACATGATGCCCTGTTTTAAGTCTTTCC
TTTGATCCTAAGGACATCTTTCTGGCATCAGCTAGTTGTGATGGATCTGTCAGAGTGTGG
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TATTTAGCTGCAGGTAGTATTAATGGTCTAATCATAGTTTGGAAATGTGGAAACCAAGAC
TGCATGGAAAGGGTGAAACATGAGAAAGGTTATGCAATTTGTGGTCTGGCATGGCATCCT
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AATGATCTTTTTGATGGAGATGATAGTAATGCTGGTATTTTCTAAATGACAATGCA
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GAAGGAATTGTTGCAATGCTTAACAGAGGACTTGGTAATACGTGGACTCTATATGTAAT
ACAAGAGAGCACTGCAAAGGAAAATCTGATCACTACTGGTGGTGGTATCCATGAAAAT
CCCCAGCAACTAAGGTGCATTCTTGTAAAGGTTCTCGGTTTCCCCAACCCCTCCACGC

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CCTGCTGTTGCTATATTATCCTTTAAGCTTCTTACTGTGAGATTGCAACAGAGAAAGGA
CAAATGGAGGAGCAATTTTGGCGTTTCAGTTATATTTTCAACAACCCTTGATTATTTAGCT
AAAAATGGTTATGAATATGAAGAGAGCACTAAAAATCAAGCAACAAAAGAGCAACAGGAA
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CTGAATTTGTCTAAAAGCAGAAACCTTTAGATTTTCTACAAATCAGAACTATCAGCT
TTTGCATTTAAGCAGGAGTAA

Restriction Sites:

Please inquire

ACCN:

NM_001008396

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:

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_001008396.1](#), [NP_001008397.1](#)**RefSeq Size:**

4641 bp

RefSeq ORF:

3021 bp

Locus ID:

11169

UniProt ID: [O75717](#)

Cytogenetics: 14q22.2-q22.3

Protein Families: Druggable Genome, Transcription Factors

Gene Summary: The protein encoded by this gene contains multiple N-terminal WD40 domains and a C-terminal high mobility group (HMG) box. WD40 domains are found in a variety of eukaryotic proteins and may function as adaptor/regulatory modules in signal transduction, pre-mRNA processing and cytoskeleton assembly. HMG boxes are found in many eukaryotic proteins involved in chromatin assembly, transcription and replication. Alternative splicing results in two transcript variants encoding different isoforms. [provided by RefSeq, Jul 2008]
Transcript Variant: This variant (2) lacks an alternate in-frame exon, compared to variant 1, resulting in a shorter protein (isoform 2) that has a shortened N-terminus, compared to isoform 1. Sequence Note: This RefSeq record was created from transcript and genomic sequence data to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on transcript alignments.