

## Product datasheet for **RC208936**

### WDHD1 (NM\_001008396) Human Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	WDHD1 (NM_001008396) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	WDHD1
Synonyms:	AND-1; AND1; CHTF4; CTF4
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin
ORF Nucleotide Sequence:	>RC208936 representing NM_001008396 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGGATCGCC**

ATGCTGCCACACGGAAGCCAATGAGATATGGGCATACAGAGGGACACACGGAGGTCTGTTTTGATGATT  
CTGGGAGTTTTATTGTGACTTGTGGAAGTGATGGTGATGTGAGGATTTGGGAAGACTTGGATGATGATGA  
TCCTAAGTTCATTAATGTTGGAGAAAAGGCATATTCATGTGCTTTGAAGAGTGGAAAAGTGGTCACTGCA  
GTTTCTAATAACTATTCAAGTCCACACATTTCTGAAGGAGTCCAGATGGTATATTGACTCGCTTCA  
CTACAAATGCAAACCATGTGGTCTTTAATGGGGATGGTACTAAAATTGCTGCTGGATCTAGTGATTTTCT  
AGTCAAAATTGTGGATGTGATGGATAGCAGCCAACAGAAAACATTTTCGAGGACATGATGCCCTGTTTTA  
AGTCTTTCCTTTGATCCTAAGGACATCTTCTGGCATCAGCTAGTTGTGATGGATCTGTCAGAGTGTGGC  
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ATATAGTAACCTGGTCTCCCTGTGGCAATATTTAGCTGCAGGTAGTATTAATGGTCTAATCATAGTTTG  
GAATGTGGAAACCAAGACTGCATGGAAAGGGTGAACATGAGAAAGGTTATGCAATTTGTGGTCTGGCA  
TGGCATCTACTTGTGGTCAATATCGTATACTGATGCGGAAGGAAATCTAGGGCTTCTAGAGAATGTTT  
GTGACCCAGTGGAAAGACATCAAGCAGTAAGGTATCTAGCAGAGTGGAAAAGGATTATAATGATCTTTT  
TGATGGAGATGATGAGTAATGCTGGTATTTCTAAATGACAATGCAGTTGAGATCCCTTCTTTTTCA  
AAAGGGATTATAAATGATGATGAGGATGATGAAGACCTCATGATGGCTTCAGGTCGCTCCTAGACAGCGAA  
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AGAGGAGGAGGAAGATGGTCAAGAAGGCAGCATTACAATCTACCACTTGAACATCCCAAAGGCCATTT  
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TGCACTTTAGTTCTTGGGATTCAAGCAAAGAGTGGATAATAGACTTGCCTCAGAATGAGGATATTGAAGC  
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 CAAGTGAAGGAAGTGAAGCAAAGAACGAAAACGTGTGGTTGATGAAAGTATGAAACAGAAAAACAGGA  
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 CTATCAGCTTTTGCATTTAAGCAGGAG

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Protein Sequence:**

>RC208936 representing NM\_001008396  
 Red=Cloning site Green=Tags(s)

MPATRKPMRYGHTTEGHTVEVCFDDSGSFIVTCGSDGDVRIWEDLDDDDPKFINVGEKAYSCALKSGKLVTA  
 VSNNTIQVHTFPEGVPDILTRFTTNANHVVFNGDGTIAAGSSDFLVKIVDVMSSQKTRFRGHDAPVL  
 SLSFDPKDIFLASASCDGSVRVWQISDQTCAISWPLLQKCNVDVINAKSICRLAWQPKSGKLLAIPVEKSV  
 KLYRRESWSHQFDLSDNFISQTLNIVTWSPCGQYLAAGSINGLIIVWNVETKDCMERVKHEKGYAICGLA  
 WHPTCGRISYTDAGNLGLLENVCDPSGKTSSSKVSSRVEKDYNDLFDGDDMSNAGDFLNDNAVEIPSF  
 KGIINDEDEDLMMASGRPRQRSHILEDDENSVDISMLKTGSLLKEEEEDGQEGSIHNLPLVTSQRPF  
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 DLSHEAILLACESTDELASKLHCLHFSSWDSKKEWIIDLPQNEDEIAICLGQGWAAAATSALLLRFTIG  
 GVQKEVFSLAGPVVSMAGHGEQLFIVYHRGTGFDGQCLGVQLLELGKKKQILHGDPLPLTRKSYLAWI  
 GFSAEGTPCYVDESEGIVRMLNRLGNTWTPICNTRHCKGKSDHYVWVGIHENPQLRCIPCKGSRFPPT  
 LPRPAVAILSFKLPYCQIATEKQMEEQFWRSVIFHNHLDYLAKNGYEYEEESTKNQATKEQQELLMKMLA  
 LSCKLEREFRCVELADLMTQNAVNLAIKYASRSRKLILAQKLSLAVEKAAELTATQVEEEEEEDFRKK  
 LNAGYSNTATEWSQPRFRNQVEEDAEDSSEADDEEKPEIHKPGQNSFKSTNSSDVSASGAVTFSSQGR  
 VNPFKVSASSKEPAMSMNSARSTNILDNMGKSSKSTALSRTTNEKSP.IIKPLIPKPKPKQASAAAYFQ  
 KRNSQTNKTEEVKEENLKNVLETPAICPPQNTENQRPKTFQMWLEENRSNILDNDPDFSDEADIKEG  
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 LSAFAFKQE

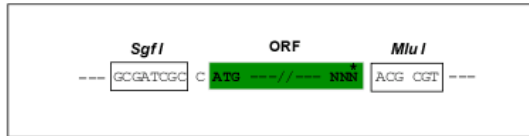
TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

SgfI-MluI

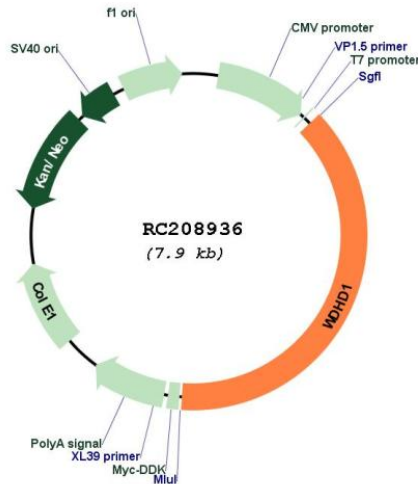
Cloning Scheme:

Cloning sites used for ORF Shuttling:



\* The last codon before the Stop codon of the ORF

## Plasmid Map:



ACCN: NM\_001008396

ORF Size: 3390 bp

OTI Disclaimer: 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 clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.

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](#), [NM\\_001008396.2](#), [NP\\_001008397.1](#)

RefSeq Size: 5961 bp

RefSeq ORF: 3021 bp

Locus ID: 11169

UniProt ID: [O75717](#)

Cytogenetics: 14q22.2-q22.3

**Protein Families:** Druggable Genome, Transcription Factors

**MW:** 126 kDa

**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]