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Product datasheet for RG216745

WDHD1 (NM_007086) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	WDHD1 (NM_007086) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	WDHD1
Synonyms:	AND-1; AND1; CHTF4; CTF4
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)

ORF Nucleotide Sequence:

>RG216745 representing NM_007086
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGCCTGCCACACGGAAGCCAATGAGATATGGGCATACAGAGGGACACACGGAGGTCTGTTTTGATGATT
CTGGGAGTTTTATTGTGACTTGTGGAAGTGATGGTGATGTGAGGATTTGGGAAGACTTGGATGATGATGA
TCCTAAGTTCATTAATGTTGGAGAAAAGGCATATTCATGTGCTTTGAAGAGTGGAAAACTGGTCACTGCA
GTTTCTAATAATACTATTCAAGTCCACACATTTCCTGAAGGAGTTCCAGATGGTATATTGACTCGCTTCA
CTACAAATGCAAACCATGTGGTCTTTAATGGGGATGGTACTAAAATTGCTGCTGGATCTAGTGATTTTCT
AGTCAAAATTGTGGATGTGATGGATAGCAGCCAACAGAAAACATTTCGAGGACATGATGCCCCTGTTTTA
AGTCTTTCCTTTGATCCTAAGGACATCTTTCTGGCATCAGCTAGTTGTGATGGATCTGTCAGAGTGTGGC
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GAATGTGGAAACCAAAGACTGCATGGAAAGGGTGAAACATGAGAAAGGTTATGCAATTTGTGGTCTGGCA
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TGTGGAGTTCCATGATACCTCCATACACCATGCAACACACTTATCAAACACTTTGAATTATACAATAGCA

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GATCTTTCCCACGAAGCTATTTTGTTGGCATGTGAAAGCACTGATGAACTAGCAAGCAAGCTTCACTGCC
TGCACTTTAGTTCTTGGGATTCAAGCAAAGAGTGGATAATAGACTTGCCTCAGAATGAGGATATTGAAGC
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AGAAAAAGCAAAAGAGAACCTGAATTTGTCTAAAAAGCAGAAACCTTTAGATTTTTCTACAAATCAGAAA
CTATCAGCTTTTGCATTTAAGCAGGAG

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence:

>RG216745 representing NM_007086
Red=Cloning site Green=Tags(s)

MPATRKPMRYGHTEGHTEVCFDDSGSFIVTCGSDGDVRIWEDLDDDDPKFINVGEKAYSCALKSGKLVTA
VSNNTIQVHTFPEGVPDGILTRFTTNANHVVFNGDGTKIAAGSSDFLVKIVDVMDSSQQKTFRGHDAPVL
SLSFDPKDIFLASASCDGSVRVWQISDQTCAISWPLLQKCNDVINAKSICRLAWQPKSGKLLAIPVEKSV
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LPRPAVAILSFKLPYCQIATEKGQMEEQFWRSVIFHNHLDYLAKNGYEYEESTKNQATKEQQELLMKMLA
LSCKLEREFRCVELADLMTQNAVNLAIKYASRSRKLILAQKLSELAVEKAAELTATQVEEEEEEEDFRKK
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MIRFRVLSTEERKVWANKAKGETASEGTEAKKRKRVVDESDETENQEEKAKENLNLSKKQKPLDFSTNQK
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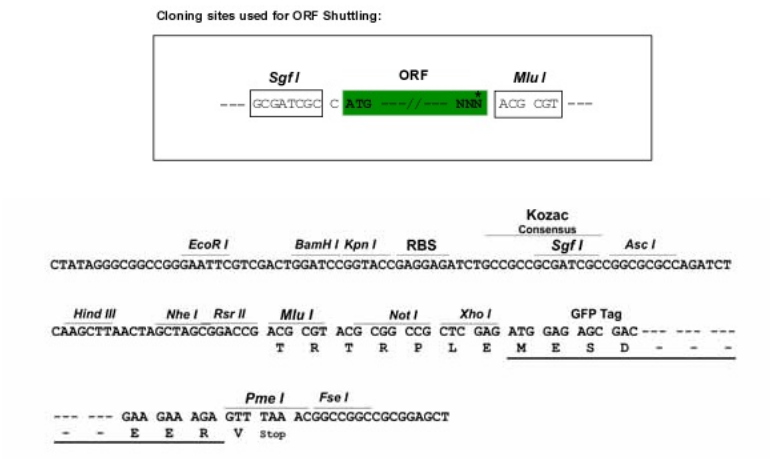
TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:

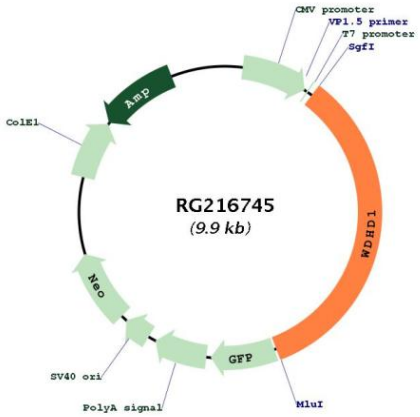


ACCN: NM_007086

ORF Size: 3387 bp

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 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_007086.4
RefSeq Size:	4734 bp
RefSeq ORF:	3390 bp
Locus ID:	11169
UniProt ID:	O75717
Cytogenetics:	14q22.2-q22.3
Domains:	HMG, WD40
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]

Product images:



Circular map for RG216745