

## Product datasheet for MC223469

### Wdhd1 (NM\_172598) Mouse Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Wdhd1 (NM_172598) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Wdhd1
Synonyms:	A630092E18; AND-1; D630024B06Rik
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin
Fully Sequenced ORF:	>MC223469 representing NM_172598 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGCCGGCCACAGAAGCCCATGAGGTACGGACATACGGAAGGGCACACCGAAGTCTGCTTTGATGATT  
CTGGAAGCTATATTGTGACTTGTGGCAGTGATGGTGATGTGAGGATGTGGGAAGACTTGGACGACGATGA  
CCCTAAGTCCGTTAATGTTGGAGAAAAGGCATTTTCATGTGCTTTGAAGAATGGAAAATTGGTCACTGCA  
GTTTCTAATAATACCGTCCAAGTCTATACATCCCTGAAGGAGTTCCTGATGGCATAAATACACGCTTCA  
CTACAAATGCAAACCATGTGGTCTTCAATGGGGCCGGCAACAAAATTGCTGCTGGGTCAGTGATTTTCT  
GGTCAAAGTTGTGGATGTGATGGATAACAGCCAGCAGCAAACATTTTCGAGGACATGATGCCCTGTTTTA  
AGTCTGTCTTTTGTGCTAAGGATATCTTTCTGGCATCGGCTAGTTGTGATGGAAGTGTGACAGGATGGA  
ATATATCTGATCAGACCTGTGCTGTGAGTGGCCAGTACTGCAAAAGAGCAATGACGTGGTGAACGCCAA  
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AAGCTGTACAGAAGAGAAAACCTGGAGTAATCCATTCGATCTTTCAGATAGTTCATCTCCAGACACTCA  
ATATAGTAACCTGGTCTCCCTGTGGCAGTATTTGGCTGCAGGTGCTATTAATGGCTTAATTGTAGTTTG  
GAATGTGGAAACCAAGACTGCATGAAAGGGTAAAACATGAGAAAGGTTATGCAATTTGTGGCCTGGCC  
TGGCATCCCACTTGTAGTCGGATATGTTATACTGATGTGGAAGGAAACCTTGGAGTCTGAAAAATGTTT  
GTGACCTCAGTGGAAAGGTGTCGAGCAATAAGGGCATTATAAATGAGGATGACGATAATGATGACATCAT  
GCTGGTGCAGATCATGACTTGGGAGACGATGAAAACCTCAGTTGATGTTACAATGCTAAAAGCTGATCTT  
TCTCACAAGAGGAAGGGGACGATGATCAGGCACGAAGTATTCACAACCTCCCCCTTATAAGACCCCAA  
GGCCATTTTATGATGGGCCCATGCCAACCCACGACAAAAGCCCTTCCAGTCAAGTTCAACGCCCTTGCA  
TCTCTCACAGATTCATGGTGTGGAACCTGTGGGATTATTCGCTGCTATAACGACGATCAAGACAGT  
GCCATAGACGTGGAGTTCATGACACCTCTATCCATCATGCAACACATCTATTAATGCTTTCAATTACA  
CAATGGGAACCTTTCCCATGAAGCTATTTTGTGGCATGTGAAAGTGTGATGAATTAGCAAGCAAGCT  
TCATTGCTTGCATTCAGTTCTTGGGACTCAAGCAAAGAGTGGATGGTAGATATGCCCCAGAATGAGGAC  
ATCGAAGCCATATGCCTCGGTCTAGGCTGGGCCGCTGCTGCTACCACTGCCTTGCTCCTTCGACTGTTCA



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CTATTGGAGGTGTTTCAGAAAGAAGTCTTCTGCCTTCTGGACCTGTGGTATCCATGGCAGGACACGGAGA  
 ACAGCTTTGCATTGTTTATCATAGAGGTACAGGGTTTGATGGAGATCAGTGCCTTGGAGTTCAACTACTC  
 GAGCTGGGGCGGAAGAAAACCAGGTTTTGCATGGTGACCCTTCTCTCACACGGAAATCCTACCTCA  
 CATGGCTGGGCTTCTCTGCTGAAGGTAACCTGTTACGTGGATTCCGAAGGCTGTGTTCGAATGCTAAA  
 CAGAGGACTCGGAATACATGGACTCCTGTATGCAACATAAGAGAGCACTGCAAAGGAAAATCTGACCAC  
 TACTGGTGGTTGGTATCCATGAGAATCCCCAGCAGTAAGGTGCATCCCTTGTAAGGTTCTCGGTTTC  
 CTCCCACCTTCCAGACCTGCTGTAGCTATATTATCTTTTAAGCTTCTTACTGTCAGACTTCAACAGA  
 GAAAGGCCAAATGGAGGAACAATTTTGGCATTCCGTTCTGTTTCACTAACTACCTTGATTACTTGGCTAAA  
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 AAAAACTGAATGCTGGTTACAGTCACACCACTACAGAATGGAGTCGGCCACGGGTGAGAAGTCAAGTTGA  
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 TTCCAAAGTGCCAATTCCTCTGATACACCAGCTTTAAATCAGGTGCAGTTTTCTCGAGCAGCCAAGGAT  
 GGGTAAACCCCTCAAGGTAGTAGTCAGTTCCAAGAGCCAGCCGTATCAGCGAATTCAACACGCTCAGC  
 TAACATTTTAGACAGCATGAACAATCATCCAGGAAGTCCAATTCTTAAATCGAATGGAAAAAATGAA  
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 AGAAAAGAACTCCACAGGCTGATAAGACTGAGGAAGTAAAAGAAAATCCTAAAAGCTCGTCTCTGATGC  
 TCCAGCCGTGTGCCTTCAAACTCGGAAAACCAAAGGCCAAAGACTGGGTTCCAGATGTGGCTGGAAGAA  
 AATAGAAGTCAATTTTGTCCGACAACCCTGACATTTAGATGAAACAGACATAATAAAAGAGGGGATGA  
 TACGATTTAGAGTATTGTCCGCTGAAGAAAGGAAGGCATGGACTAACAAAGCCAAGGGAGAACTGCCAG  
 CGATGGAGCTGAAGCAAAGAAGCGAAAGCGTGTGGTCAGCGAGATCTGTGAGACAGAGAACCAGGAAGAA  
 ACAGTGAAGGAGAATCTAGATCTTTCTAAAAGCAAAGCGTTAAATCTTCTGCTAACCAGAAATGT  
 CAGCGTTTGCATTTAAGCAGGAGTAA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

- Restriction Sites:** SgfI-MluI
- ACCN:** NM\_172598
- Insert Size:** 3246 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).
- 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\\_172598.3](#), [NP\\_766186.2](#)

RefSeq Size: 4190 bp

RefSeq ORF: 3246 bp

Locus ID: 218973

UniProt ID: [P59328](#)

Cytogenetics: 14 C1

**Gene Summary:** Acts as a replication initiation factor that brings together the MCM2-7 helicase and the DNA polymerase alpha/primase complex in order to initiate DNA replication.[UniProtKB/Swiss-Prot Function]