

# Recombinant Human WDHD1 Protein, Myc/DDK-tagged, C13 and N15-labeled

**Cat. No.** WDHD1-4049H    **Lot. No.** (See product label)

## SPECIFICATION

|                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
|-------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b> | WDHD1 MS Standard C13 and N15-labeled recombinant protein (NP_009017) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.                                                                                                                                                                                                                                                                                                                                                                             |
| <b>Species</b>          | Human                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| <b>Source</b>           | HEK293                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| <b>Description</b>      | 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. |
| <b>Molecular Mass</b>   | 125.8 kDa                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| <b>AA Sequence</b>      | MPATRKPMRYGHTEGHTEVCFDDSGSFIVTCGSDGDVRIWEDLDDDDPKFINVGEK<br>AYSCALKSGKLVTA VSNNTIQVHTFPEGVPDGILTRFTTNANHVVFN G DGT KIAAGSS<br>DFLVKIVDVM DSSQKQTFRGHDAPVLSLSFDPKDIFLASASCDG SVRVWQISDQTCA<br>ISWPLLQKCNDVINAKSICRLAWQPKSGKLLAIPVEKSVKLYRRESWSHQFDLSDNFI<br>SQT LNIVTWSPCGQYLAAGSINGLIIVWNVETKDCMERVKHEKGYAICGLAWHPTCG<br>RISYTDAEGNLGLLENVCDPSGKTSSSKVSSRVEKDYNDLFDGDDMSNAGDFLNDN                                                                                                                               |

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AVEIPSFSGKIINDDDEDEDLMMASGRPRQRSHILEDDENSVDISMLKTGSSLLKEEE  
 EDGQEGSIHNLPLVTSQRPFYDGPMPPTPRQKPFQSGSTPLHLTHRFMVWNSIGIIRC  
 YNDEQDNAIDVEFHDTSIHHATHLSNTLNYTIADLSHEAILLACESTDELASKLHCLHF  
 SSWDSSKEWIIDL PQNEDIEAICLGQGWAAAATSALLRLFTIGGVQKEVFLAGPVV  
 SMAGHGEQLFIVYHRGTGFDGDQCLGVQLLELGKKKKQILHGDPLPLTRKSYLAWIG  
 FSAEGTPCYVDSEGIVRMLNRLGNTWTPICNTREHCKGKSDHYWVGIHENPQQ  
 RCIPCKGSRFPPTLPRPAVAILSFKLPYCQIATEKGQMEEQFWRSVIFHNHLDYLAKN  
 GYEYEESTKNQATKEQQELLMKMLALSCKLEREFRCVELADLMTQNAVNLAIKYAS  
 RSRKLILAQKLSELAVEKAAELTATQVEEEEEEEEDFRKKLNAGYSNTATEWSQPRFR  
 NQVEEDAEDSGEADDEEKPEIHKPGQNSFSKSTNSSDVSAKSGAVTFSSQGRVNP  
 FKVSASSKEPAMSMNSARSTNILDNMGKSSKKSTALSRTTNNEKSPIIKPLIPKPKPK  
 QASAASYFQKRNSQTNKTEEVKEENLKNVLSETPAICPPQNTENQRPKTGFQMWLE  
 ENRSNILSDNPDFSDEADIIKEGMIRFRVLSTEERKVVWANKAKGETASEGTEAKKRK  
 RVVDESDETENQEEKAKENLNLSKKQKPLDFSTNQKLSAFAFKQETRTRPLEQKLIS  
 EEDLAANDILDYKDDDDKV

**Purity** > 80% as determined by SDS-PAGE and Coomassie blue staining

**Stability** Stable for 3 months from receipt of products under proper storage and handling conditions.

**Storage** Store at -80 centigrade. Avoid repeated freeze-thaw cycles.

**Concentration** 50 µg/mL as determined by BCA

**Storage Buffer** 100 mM glycine, 25 mM Tris-HCl, pH 7.3.

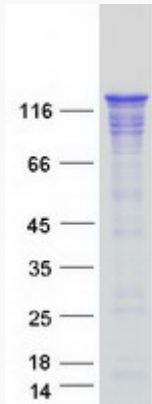
## GENE INFORMATION

**Gene Name** WDHD1 WD repeat and HMG-box DNA binding protein 1 [ Homo sapiens (human) ]

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|                        |                                                                                                                                                                                                                                                                                                     |
|------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Official Symbol</b> | WDHD1                                                                                                                                                                                                                                                                                               |
| <b>Synonyms</b>        | WDHD1; WD repeat and HMG-box DNA binding protein 1; WD repeat and HMG-box DNA-binding protein 1; AND 1; CHTF4; CTF4; chromosome transmission fidelity factor 4 homolog (S. cerevisiae); Acidic nucleoplasmic DNA-binding protein 1; CTF4, chromosome transmission fidelity factor 4 homolog; AND-1; |
| <b>Gene ID</b>         | 11169                                                                                                                                                                                                                                                                                               |
| <b>mRNA Refseq</b>     | NM_007086                                                                                                                                                                                                                                                                                           |
| <b>Protein Refseq</b>  | NP_009017                                                                                                                                                                                                                                                                                           |
| <b>MIM</b>             | 608126                                                                                                                                                                                                                                                                                              |
| <b>UniProt ID</b>      | O75717                                                                                                                                                                                                                                                                                              |
| <b>SDS-PAGE</b>        |                                                                                                                                                                                                                 |