

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

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

SPECIFICATION

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

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AVEIPSFSGKIINDDDEDEDLMMASGRPRQRSHILEDDENSVDISMLKTGSSLLKEEE
 EDGQEGSIHNLPLVTSQRPFYDGPMPTRQKPFQSGSTPLHLTHRFMVWNSIGIIRC
 YNDEQDNAIDVEFHDTSIHHATHLSNTLNYTIADLSHEAILLACESTDELASKLHCLHF
 SSWDSSKEWIIDL PQNEDIEAICLGQGWAAAATSALLRLFTIGGVQKEVFLAGPVV
 SMAGHGEQLFIVYHRGTGFDGDQCLGVQLLELGKKKKQILHGDPLPLTRKSYLAWIG
 FSAEGTPCYVDSEGIVRMLNRGLGNTWTPICNTREHCKGKSDHYWVGIHENPQQ
 RCIPCKGSRFPPTLPRPAVAILSFKL PYCQIATEKGQMEEQFWRSVIFHNHLDYLAKN
 GYEYEESTKNQATKEQQELLMKMLAL SCKLEREFRCVELADLMTQNAVNLAIKYAS
 RSRKLILAQKLSELA VEKAAELTATQVEEEEEEEEDFRKKLNAGYSNTATEWSQPRFR
 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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Official Symbol	WDHD1
Synonyms	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;
Gene ID	11169
mRNA Refseq	NM_007086
Protein Refseq	NP_009017
MIM	608126
UniProt ID	O75717
SDS-PAGE	