

# Recombinant Full Length Human DDX17 Protein, C-Flag-tagged

**Cat. No.** DDX17-1039HFL    **Lot. No.** (See product label)

## SPECIFICATION

|                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
|-------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b> | Recombinant Full Length Human DDX17 Protein, fused to Flag-tag at C-terminus, was expressed in Mammalian cells.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| <b>Species</b>          | Human                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| <b>Source</b>           | Mammalian Cells                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| <b>Description</b>      | DEAD box proteins, characterized by the conserved motif Asp-Glu-Ala-Asp (DEAD), are putative RNA helicases. They are implicated in a number of cellular processes involving alteration of RNA secondary structure, such as translation initiation, nuclear and mitochondrial splicing, and ribosome and spliceosome assembly. Based on their distribution patterns, some members of this family are believed to be involved in embryogenesis, spermatogenesis, and cellular growth and division. This gene encodes a DEAD box protein, which is an ATPase activated by a variety of RNA species, but not by dsDNA. This protein, and that encoded by DDX5 gene, are more closely related to each other than to any other member of the DEAD box family. This gene can encode multiple isoforms due to both alternative splicing and the use of alternative translation initiation codons, including a non-AUG (CUG) start codon. |
| <b>Form</b>             | 25 mM Tris HCl, pH 7.3, 100 mM glycine, 10% glycerol.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| <b>Molecular Mass</b>   | 80.1 kDa                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| <b>AA Sequence</b>      | LPTGFBVAPILCVLLPSPTREAATVASATGDSASERESAAPAAAPTAEAPPPSVVTRPE                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |

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PQALPSPAIRAP LPDLYPFGTMRGGGFGDRDRDRDRGGFGARGGGGLPPKKFGN  
 PGERLRKKKKWDLSELPKFEKNFYVEHPE VARLTPYEVDLRRKKEITVRGGDVCPK  
 PVFAFHANFPQYVMDVLMQHFTEPTPIQCQGFPLALSGRD MVGIAQTGSGKTLA  
 YLLPAIVHINHQPYLERGDGPICLVLAPTRELAQQVQQVADDYGKCSRLKSTCIYG G  
 APKGPQIRDLERGVEICIATPGRLLDFLESGKTNLRRCTYLVLEADRMLDMGFEPQI  
 RKIVDQIRPDR QTLMWSATWPKEVRQLAEDFLRDYTQINVGNLELSANHNILQIVDV  
 CMESKDHKLIQLMEEIMAEKENK TIIFVETKRRCDLTRRMRRDGPAMCIHGDK  
 SQPERDWVLNEFRSGKAPILIATDVASRGLDVEDVKFV INYDYPNSSSEDYVHRIGRT  
 ARSTNKGTAFTFTPGNLKQARELIKVLEENQAINPKMLQLVDHRGGGGG GGGR  
 SRYRTTSSANNPNLMYQDECDRLRGVKDGGRRDSASYRDRSETDRAGYANGSG  
 YGSPNSAFGAQA GQYTYGQGTYGAAAYGTSSYTAQEYGAGTYGASSTTSTGRSS  
 QSSSQQFSGIGRSGQQPQPLMSQQFAQP  
 PGATNMIGYMGQTAYQYPPPPPPPPSRKTRTRPLEQKLISEEDLAANDILDYKDDD  
 DKV

|                      |                                                                                                                                               |
|----------------------|-----------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Purity</b>        | > 80% as determined by SDS-PAGE and Coomassie blue staining.                                                                                  |
| <b>Stability</b>     | Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles. |
| <b>Storage</b>       | Store at -80 centigrade.                                                                                                                      |
| <b>Concentration</b> | >50 ug/mL as determined by microplate BCA method.                                                                                             |
| <b>Preparation</b>   | Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.                              |
| <b>Full Length</b>   | Full L.                                                                                                                                       |

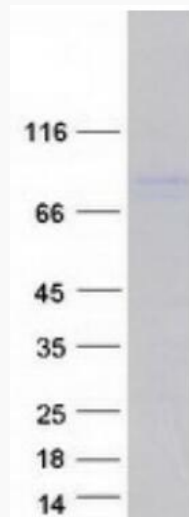
## GENE INFORMATION

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|                        |                                                     |
|------------------------|-----------------------------------------------------|
| <b>Gene Name</b>       | DDX17 DEAD-box helicase 17 [ Homo sapiens (human) ] |
| <b>Official Symbol</b> | DDX17                                               |
| <b>Synonyms</b>        | P72; RH70                                           |
| <b>Gene ID</b>         | 10521                                               |
| <b>mRNA Refseq</b>     | NM_006386.5                                         |
| <b>Protein Refseq</b>  | NP_006377.2                                         |
| <b>MIM</b>             | 608469                                              |
| <b>UniProt ID</b>      | Q92841                                              |



Coomassie blue staining of purified DDX17 protein.

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