

## Recombinant Human DDX5 Protein, GST-tagged

**Cat. No.** DDX5-2497H    **Lot. No.** (See product label)

### SPECIFICATION

|                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
|-------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b> | Human DDX5 full-length ORF (AAH16027.1, 1 a.a. - 614 a.a.) recombinant protein with GST-tag at N-terminal.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| <b>Species</b>          | Human                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| <b>Source</b>           | Wheat Germ                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| <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 a RNA-dependent ATPase, and also a proliferation-associated nuclear antigen, specifically reacting with the simian virus 40 tumor antigen. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Feb 2016] |
| <b>Molecular Mass</b>   | 95.5 kDa                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| <b>AA Sequence</b>      | MSGYSSDRDRGRDRGFGAPRFGGSRAGPLSGKKFGNPGEKLVKKKWNLDLPKF<br>EKNFYQEHPDLARRTAQEVETYYRSKEITVRGHNCPPVLFNFYEANFPANVMDVIA<br>RQNFTEPTAIQAQGWVPVALSGLDMVGVAQTGSGKTLSYLLPAIVHINHQPFLERGD<br>GPICLVLAPTRELAQQVQQVAAEYCRACRLKSTCIYGGAPKGPQIRDLERGVEICIAT                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |

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 45-1 Ramsey Road, Shirley, NY 11967, USA

PGRLLDFLECGKTNLRRTTYLVLEADRLDMLDMGFEPQIRKIVDQIRPDRQTLMWSAT  
 WPKEVRQLAEDFLKDYIHINIGALELSANHNILQIVDVCHDVEKDEKLIRLMEEIMSEK  
 ENKTIVFVETKRRCDELTRKMRRDGWPAMGIHGDKSQQERDWVLNEFKHKGKAPILI  
 ATDVASRGLDVEDVKFVINYDYPNSSEDIHRIGRRTARSTKTGTAYTFFTPNNIKQVS  
 DLISVLREANQAINPKLLQLVEDRGSGRSRGRGGMKDDRRDRYSAGKRGGFNTFR  
 DRENYDRGYSSLLKRDFGAKTQNGVYSAANYTNGSFGSNFVSAGIQTSFRTGNPT  
 GTYQNGYDSTQQYGSNVPMHNGMNQQAYAYPATAAAPMIGYPMPTGYSQ

**Applications**

Enzyme-linked Immunoabsorbent Assay  
 Western Blot (Recombinant protein)  
 Antibody Production  
 Protein Array

**Notes**

Best use within three months from the date of receipt of this protein.

**Storage**

Store at -80 centigrade. Aliquot to avoid repeated freezing and thawing.

**Storage Buffer**

50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.

## GENE INFORMATION

**Gene Name**

DDX5 DEAD (Asp-Glu-Ala-Asp) box helicase 5 [ Homo sapiens ]

**Official Symbol**

DDX5

**Synonyms**

DDX5; DEAD (Asp-Glu-Ala-Asp) box helicase 5; DEAD (Asp Glu Ala Asp) box  
 polypeptide 5 , DEAD/H (Asp Glu Ala Asp/His) box polypeptide 5 (RNA helicase,  
 68kD) , G17P1, HLR1; probable ATP-dependent RNA helicase DDX5; p68; DEAD  
 box-5; RNA helicase p68; DEAD box protein 5; ATP-dependent RNA helicase DDX5;  
 DEAD (Asp-Glu-Ala-Asp) box polypeptide 5; DEAD/H (Asp-Glu-Ala-Asp/His) box  
 polypeptide 5 (RNA helicase, 68kD); HLR1; G17P1; HUMP68; DKFZp434E109;

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|                 |           |
|-----------------|-----------|
| DKFZp686J01190; |           |
| Gene ID         | 1655      |
| mRNA Refseq     | NM_004396 |
| Protein Refseq  | NP_004387 |
| MIM             | 180630    |
| UniProt ID      | P17844    |

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