

# Recombinant Full Length Human DHX33 Protein, GST-tagged

**Cat. No.** DHX33-2553HF    **Lot. No.** (See product label)

## SPECIFICATION

|                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
|-------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b> | Human DHX33 full-length ORF (BAB15193.1, 1 a.a. - 707 a.a.) recombinant protein with GST-tag at N-terminal.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| <b>Species</b>          | Human                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| <b>Source</b>           | In Vitro Cell Free System                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| <b>ProteinLength</b>    | 707 amino acids                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| <b>Description</b>      | This gene encodes a member of the DEAD box protein family. The DEAD box proteins are 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 DEAD box protein family are believed to be involved in embryogenesis, spermatogenesis, and cellular growth and division. Alternative splicing results in multiple transcript variants. |
| <b>Molecular Mass</b>   | 105.1 kDa                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| <b>AA Sequence</b>      | MPEEAGFPPAKRFRPGSGPPSRAGSFPPGRQVVMLLTAGSGGRGGGGGRRQQP<br>PLAQPSASPYPEAVELQRRSLPILQARGQLLAQLRNLDNAVLIGETGSGKTTQIPQYL<br>YEGGISRQGIIAVTQPRRVAAISLATRVSDKRTTELGLVGYTVRFDDVTSEDGTGKFL<br>TDGMLLREAISDSLLRKYSCVILDEAHERTIHTDVLFGVVKAAQKRRKELGKLPLKVIV<br>MSATMDVDLFSQYFNGAPVLYLEGRQHPIQVFYTKQPQNDYLHAALVSFQIHQEA                                                                                                                                                                                                                                                                                                                                      |

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PSSQDILVFLTGTQEEIEAMSKTCRDIKHLDPDGCPAMLVLPYASLPYAQQLRVFQG  
 APKGYRKVIISTNIAETSITITGIKYVVDTGMLVAKKYNPDGSLVAVQVRVSKTQAWQ  
 RTGRAGREDSGICYRLYTEDEFKFDKMTVPEIQRCNLASVMLQLLAMKVPNVLTFD  
 FMSKPSPDHIQAAIAQLDLLGALEHKDDQLTLTPMGRKMAAFPLEPKFAKTILMSPKF  
 HCTEEILTIVSLLSVDSVLHNPPSRREEVQGVRRKKLISSEGDHMTLLNIYRTFKNLGG  
 NKDWCKENFVNSKNMTLVAEVRAQLRDICLKMSMPIASSRGDVESVRRCLAHSFLM  
 STAELQPDGTYATTDTHQPVAIHPSSVLFHCKPACVVYTELLYTNKCYMRDLCVIDA  
 QWLYEAAPEYFRRKLRTARN

**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**

DHX33 DEAH-box helicase 33 [ Homo sapiens (human) ]

**Official Symbol**

DHX33

**Synonyms**

DHX33; DEAH (Asp-Glu-Ala-His) box polypeptide 33; DDX33, DEAD/H (Asp Glu Ala Asp/His) box polypeptide 33; putative ATP-dependent RNA helicase DHX33; DKFZp762F2011; FLJ21972; DEAH box protein 33; DEAD/H (Asp-Glu-Ala-Asp/His) box polypeptide 33; DDX33;

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|                |              |
|----------------|--------------|
| Gene ID        | 56919        |
| mRNA Refseq    | NM_001199699 |
| Protein Refseq | NP_001186628 |
| MIM            | 614405       |
| UniProt ID     | Q9H6R0       |

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