Recombinant Full Length Human DHX33 Protein, GST-tagged

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

SPECIFICATION

Product Overview	Human DHX33 full-length ORF (BAB15193.1, 1 a.a. - 707 a.a.) recombinant protein with GST-tag at N-terminal.
Species	Human
Source	In Vitro Cell Free System
ProteinLength	707 amino acids
Description	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.
Molecular Mass	105.1 kDa
AA Sequence	MPEEAGFPPAKRFRPGSGPPSRAGSFPPGRQVVMLLTAGSGGRGGGGGRRQQP PLAQPSASPYPEAVELQRRSLPILQARGQLLAQLRNLDNAVLIGETGSGKTTQIPQYL YEGGISRQGIIAVTQPRRVAAISLATRVSDEKRTELGKLVGYTVRFDDVTSEDTGIKFL TDGMLLREAISDSLLRKYSCVILDEAHERTIHTDVLFGVVKAAQKRRKELGKLPLKVIV MSATMDVDLFSQYFNGAPVLYLEGRQHPIQVFYTKQPQNDYLHAALVSVFQIHQEA

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	PSSQDILVFLTGQEEIEAMSKTCRDIAKHLPDGCPAMLVLPLYASLPYAQQLRVFQG APKGYRKVIISTNIAETSITITGIKYVVDTGMVKAKKYNPDSGLEVLAVQRVSKTQAWQ RTGRAGREDSGICYRLYTEDEFEKFDKMTVPEIQRCNLASVMLQLLAMKVPNVLTFD FMSKPSPDHIQAAIAQLDLLGALEHKDDQLTLTPMGRKMAAFPLEPKFAKTILMSPKF HCTEEILTIVSLLSVDSVLHNPPSRREEVQGVRKKLISSEGDHMTLLNIYRTFKNLGG NKDWCKENFVNSKNMTLVAEVRAQLRDICLKMSMPIASSRGDVESVRRCLAHSLFM 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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