

# Recombinant Human DHX30, GST-tagged

**Cat. No.** DHX30-11984H    **Lot. No.** (See product label)

## SPECIFICATION

|                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
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| <b>Product Overview</b> | Recombinant Human DHX30 protein, fused to GST-tag, was expressed in E.coli and purified by GSH-sepharose.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| <b>Species</b>          | Human                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| <b>Source</b>           | E.coli                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| <b>ProteinLength</b>    | 218-501a.a.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| <b>Description</b>      | <p>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 DEAD box protein family are believed to be involved in embryogenesis, spermatogenesis, and cellular growth and division. The family member encoded by this gene is a mitochondrial nucleoid protein that associates with mitochondrial DNA. It has also been identified as a component of a transcriptional repressor complex that functions in retinal development, and it is required to optimize the function of the zinc-finger antiviral protein. Alternatively spliced transcript variants have been found for this gene.</p> |
| <b>Storage</b>          | The protein is stored in PBS buffer at -20°C. Avoid repeated freezing and thawing cycles.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| <b>Storage Buffer</b>   | 1M PBS (58mM Na <sub>2</sub> HPO <sub>4</sub> , 17mM NaH <sub>2</sub> PO <sub>4</sub> , 68mM NaCl, pH8. ) added with 100mM                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |

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GSH and 1% Triton X-100,15%glycerol.

## GENE INFORMATION

|                            |                                                                                                                                                                                                                                                                                                                      |
|----------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Gene Name</b>           | DHX30 DEAH (Asp-Glu-Ala-His) box polypeptide 30 [ Homo sapiens ]                                                                                                                                                                                                                                                     |
| <b>Official Symbol</b>     | DHX30                                                                                                                                                                                                                                                                                                                |
| <b>Synonyms</b>            | DHX30; DEAH (Asp-Glu-Ala-His) box polypeptide 30; DDX30, DEAD/H (Asp Glu Ala Asp/His) box polypeptide 30; putative ATP-dependent RNA helicase DHX30; FLJ11214; KIAA0890; DEAH box protein 30; retina co-repressor; ATP-dependent RNA helicase DHX30; DEAD/H (Asp-Glu-Ala-Asp/His) box polypeptide 30; DDX30; RETCOR; |
| <b>Gene ID</b>             | 22907                                                                                                                                                                                                                                                                                                                |
| <b>mRNA Refseq</b>         | NM_014966                                                                                                                                                                                                                                                                                                            |
| <b>Protein Refseq</b>      | NP_055781                                                                                                                                                                                                                                                                                                            |
| <b>UniProt ID</b>          | Q7L2E3                                                                                                                                                                                                                                                                                                               |
| <b>Chromosome Location</b> | 3p24.3-p22.1                                                                                                                                                                                                                                                                                                         |
| <b>Function</b>            | ATP binding; ATP-dependent helicase activity; RNA binding; chromatin binding; helicase activity; hydrolase activity; nucleotide binding; protein binding;                                                                                                                                                            |

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