

Recombinant Human DHX30 Protein, Myc/DDK-tagged, C13 and N15-labeled

Cat. No. DHX30-4118H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	DHX30 MS Standard C13 and N15-labeled recombinant protein (NP_055781) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.
Species	Human
Source	HEK293
Description	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.
Molecular Mass	129.4 kDa
AA Sequence	MAASRDLLKEFPQPKNLLNSVIGRALGISHAKDKLVYVHTNGPKKKKVTLHIKWPKSV EVEGYGSKKIDAERQAAAAACQLFKGWLLGPRNELFDDAKYRVLADRFSGSPADS

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WWRPEPTMPPTSWRQLNPESIRPGGPGGLSRSLGEEEEEEEEEELEEGTIDVTDFL
 SMTQQDSHAPLRDSRGSSFEMTDDDDSAIRALTQFPLPKNLLAKVIQIATSSSTAKNL
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 SDDILPLGKDSGPLSDPITGKPYVPLLEAAEEVRLSQSLELWRRRGPVWQEAPQLPV
 DPHRDILNAIEQHPVVVISGDTGCGKTRIPQLLLERYVTEGRGARCNIITQPRRIS
 AVSVAQRVSHELGPSLRRNVGFQVRLESKPPSRGGALLFCTVGILLRKLQSNPSLEG
 VSHVIVDEVHERDVNTDFLLILLKGLQRLNPALRLVLSATGDNERFSRYFGGCPVIK
 VPGFMYPVKEHYLEDILAKLGKHQYLHRHRHHESEDECALDLDLVTDLVLHIDARGE
 PGGILCFLPGWQEIKGVQQRLQEALGMHESKYLILPVHSNIPMMDQKAIFQQPPVGV
 RKIVLATNIAETSITINDIVHVVDGLHKEERYDLKTKVSCLETWVSRANVIQRRGRA
 GRCQSGFAYHLFPRSRLEKMVPFQVPEILRTPLENLVLQAKIHMPEKTAVEFLSKAV
 DSPNIKAVDEAVILLQEIGVLDQREYLTTLGQRLAHISTDPRLAKAIVLAAIFRCLHPLL
 VVVSCLTRDPFSSSLQNRAEVDKVKALLSHDSGSDHLAFVRAVAGWEEVLRWQDR
 SSRENYLEENLLYAPSLRFIHGLIKQFSENIYEAFLVGKPSDCTLASAQCNEYSEEEE
 LVKGVLMAGLYPNLIQVRQGKVTQKGKFPNSVTYRTKSGNILLHKSTINREATRLR
 SRWLTYFMAVKSNQSVFVRDSSQVHPLAVLLLTDGDVHIRDDGRRATISLSDSDLLR
 LEGDSRTVRLLKELRRALGRMVERSLRSELAALPPSVQEEHGQLLALLAELLRGPCG
 SFDVRKTADDTRTRPLEQKLISEEDLAANDILDYKDDDDKV

Purity > 80% as determined by SDS-PAGE and Coomassie blue staining

Stability Stable for 3 months from receipt of products under proper storage and handling conditions.

Storage Store at -80 centigrade. Avoid repeated freeze-thaw cycles.

Concentration 50 µg/mL as determined by BCA

Storage Buffer 100 mM glycine, 25 mM Tris-HCl, pH 7.3.

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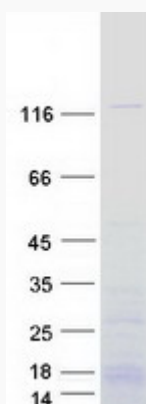
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GENE INFORMATION

Gene Name	DHX30 DExH-box helicase 30 [Homo sapiens (human)]
Official Symbol	DHX30
Synonyms	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;
Gene ID	22907
mRNA Refseq	NM_014966
Protein Refseq	NP_055781
MIM	616423
UniProt ID	Q7L2E3

SDS-PAGE



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