

Recombinant Human DHX8 Protein, Myc/DDK-tagged, C13 and N15-labeled

Cat. No. DHX8-2605H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	DHX8 MS Standard C13 and N15-labeled recombinant protein (NP_004932) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.
Species	Human
Source	HEK293
Description	This gene is a member of the DEAH box polypeptide family. The encoded protein contains the DEAH (Asp-Glu-Ala-His) motif which is characteristic of all DEAH box proteins, and is thought to function as an ATP-dependent RNA helicase that regulates the release of spliced mRNAs from spliceosomes prior to their export from the nucleus. This protein may be required for the replication of human immunodeficiency virus type 1 (HIV-1). Alternative splicing results in multiple transcript variants.
Molecular Mass	139.3 kDa
AA Sequence	MAVAVAMAGALIGSEPGPAEELAKLEYLSLVSKVCTELDNHLGINDKDLAEFVISLAE KNTTFDTFKASLVKNGAEFTDSLISNLLRLIQTMRPPAKPSTSKDPVVKPKTEKEKLK ELFPVLCQPDNPSVRTMLDEDDVKVAVDVLKELEALMPAAGQEKQRDAEHRDRT KKKKRSRSRDRNRDRDRDRERNRDRDHKRRHRSRSRSRSTRERNKVKSRYSR SRSQSPPKDRKDRDKYGERNLDRWRDKHVDPPPEPTIGDIYNGKVTSIMQFGCF VQLEGLRKRWEGLVHISELRREGRVANVADVSKGQRVKVKVLSFTGTSLSMKD VDQETGEDLNPNRRRNLVGETNEETSMRNPDRPTHLSLVSAPEVEDDSLKRRLTQ

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ISDPEKWEIKQMIAANVLSKEEFPDFDEETGILPKVDDEEDEDLEIELVEEEPPFLRGH
 TKQSMDMSPIKIVKNPDGSLSQAAMMQSALAKERRELKQAQREAEMDSIPMGLNKH
 WVDPLPDAEGRQIAANMRGIGMMPNDIPEWKKHAFGGNKASYGKKTQMSILEQRE
 SLPIYKLKEQLVQAVHDNQILIVIGETGSGKTTQITQYLAEAGYTSRGKIGCTQPRRVA
 AMSVAKRVSEEFCCCLGQEVGYTIRFEDCTSPETVIKYMTDGMILLRECLIDPDLTQY
 AIIMLDEAHERTIHTDVLFGLLKKTQKRQDMKLIVTSATLDAVKFSQYFYEAIFTIPG
 RTYPVEILYTKEPETDYLDASLITVMQIHLTEPPGDILVFLTGQEEIDTACEILYERMKS
 LGPDVPELIILPVYSALPSEMQRIFDPAPPGSRKVVIATNIAETSLTIDGIYYVDPGF
 VKQKVYNSKTGIDQLVVTPISSQAQAKQRAGRAGRTGPGKCYRLYTERAYRDEMLTT
 NVPEIQRNLTASTVLSLKAMGINDLLSFDMDAPPMETLITAMEQLYTLGALDDEGLL
 TRLGRRMAEFPLEPMLCKMLIMSVHLGCSEEMLTIVSMLSVQNVFYRPKDKQALAD
 QKKAKFHQTEGDHLLAVYNSWKNNKFSNPWCYENFIQARSLRRAQDIREQMLGI
 MDRHKLDVSCGKSTVRVQKAICSGFFRNAAKKDPQEGYRTLIDQQVVYIHPSSALF
 NRQPEWVVYHELVLTTKEYMREVTIDPRWLVEFAPAFFKVSDPTKLSKQKKQQRLE
 EPLYNRYEEPNAWRISRAFRRRTTRTRPLEQKLISEEDLAANDILDYKDDDDKV

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.

GENE INFORMATION

Gene Name DHX8 DEAH-box helicase 8 [Homo sapiens (human)]

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Official Symbol	DHX8
Synonyms	DHX8; DEAH (Asp-Glu-Ala-His) box polypeptide 8; DDX8, DEAD/H (Asp Glu Ala Asp/His) box polypeptide 8 (RNA helicase); ATP-dependent RNA helicase DHX8; HRH1; PRP22; PRPF22; RNA helicase HRH1; DEAH box protein 8; DEAH-box protein 8; DEAD/H (Asp-Glu-Ala-Asp/His) box polypeptide 8 (RNA helicase); DDX8;
Gene ID	1659
mRNA Refseq	NM_004941
Protein Refseq	NP_004932
MIM	600396
UniProt ID	Q14562
SDS-PAGE	