

Recombinant Human DHX36 Protein, Myc/DDK-tagged, C13 and N15-labeled

Cat. No. DHX36-1600H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	DHX36 MS Standard C13 and N15-labeled recombinant protein (NP_065916) 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 family of RNA-dependent NTPases which are named after the conserved amino acid sequence Asp-Glu-Ala-His in motif II. The protein encoded by this gene has been shown to enhance the deadenylation and decay of mRNAs with 3'-UTR AU-rich elements (ARE-mRNA). The protein has also been shown to resolve into single strands the highly stable tetramolecular DNA configuration (G4) that can form spontaneously in guanine-rich regions of DNA. Alternative splicing results in multiple transcript variants encoding different isoforms.
Molecular Mass	114.6 kDa
AA Sequence	MSYDYHQNWGRDGGPRSSGGGYGGGPAGGHGGNRGSGGGGGGGGGGRGRGR GRHPGHLKGREIGMWYAKKQGQKNKEAERQERAVVHMDERREEQIVQLLSVQA KNDKESEAQISWFAPEDHGYGTEVSTKNTPCSENKLDIQEKKLINQEKKMFRIRNRS YIDRDSEYLLQENEPDGTLDQKLLEDLQKKKNDLRYIEMQHFREKLPSYGMQKELVN LIDNHQVTVISGETGCGKTTQVTQFILDNYIERGKGSACRIVCTQPRRISAISSVAERVA AERAESCGSGNSTGYQIRLQSRLPRKQGSILYCTTGILQWLQSDPYLSSVSHIVLDEI

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HERNLQSDVLM TVVKDLLNFRSDLKVILMSATLNAEFSEYFGNCPMIHIPGFTFPVV
EYLLLEDVIEKIRYVPEQKEHRCQFKRGFMQGHVNRQEKEEKEAIYKERWPDYVREL
RRRYSASTVDVIEMMEDDKVDLNLIVALIRYIVLEEDGAILVFLPGWDNISTLHDLLM
SQVMFKSDKFLIPLHSLMPTVNQTQVFKRTPPGVRKIVATNIAETSITIDDVVYVIDG
GKIKETHFDTQNNISTMSAEWVSKANAKQRKGRAGRVQPGHCYHLYNGLRASLLD
DYQLPEILRTPLEELCLQIKILRLGGIAYFLSRLMDPPSNEAVLLSIRHLMELNALDKQE
ELTPLGVHLARLPVEPHIGKMILFGALFCCLDPVLTIAASLSFKDPFVIPLGKEKIADAR
RKELAKDTRSDHLTVVNAFEGWEEARRRGFRYEKDYCWEYFLSSNTLQMLHNMKG
QFAEHLLGAGFVSSRNPKDPESNINS DNEKIIKAVICAGLYPKVAKIRLNLGKKRKMV
KVYTKTDGLVAVHPKSVNVEQTDHFYHNWLIYHLKMRTSSIYLYDCTEVSPYCLLFFG
GDISIQKDNDQETIAVDEWIVFQSPARIAHLVKELRKELDILLQEKIESPHVPDWN DTK
SRDCAVLSAII DLIKTQEKATPRNFPPRFQDGYYSTRT RPLEQKLISEEDLAANDILDY
KDDDDKV

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 DHX36 DEAH-box helicase 36 [Homo sapiens (human)]

Official Symbol DHX36

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Synonyms DHX36; DEAH (Asp-Glu-Ala-His) box polypeptide 36; DDX36, DEAD/H (Asp Glu Ala Asp/His) box polypeptide 36; probable ATP-dependent RNA helicase DHX36; KIAA1488; MLEL1; G4 resolvase-1; MLE-like protein 1; DEAH box protein 36; DEAD/H (Asp-Glu-Ala-Asp/His) box polypeptide 36; RNA helicase associated with AU-rich element ARE; G4R1; RHAU; DDX36;

Gene ID 170506

mRNA Refseq NM_020865

Protein Refseq NP_065916

MIM 612767

UniProt ID Q9H2U1

SDS-PAGE

