

Recombinant Full Length Human DHX36 Protein, C-Flag-tagged

Cat. No. DHX36-425HFL **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Full Length Human DHX36 Protein, fused to Flag-tag at C-terminus, was expressed in Mammalian cells.
Species	Human
Source	Mammalian Cells
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.
Form	25 mM Tris HCl, pH 7.3, 100 mM glycine, 10% glycerol.
Molecular Mass	114.6 kDa
AA Sequence	MSYDYHQNWGRDGGPRSSGGGYGGGPAGGHGGNRSGGGGGGGGGGRGGR GRHPGHLKGREIGMWYAKKQ GQKNKEAERQERAVVHMDERREEQIVQLLSVQA KNDKESEAIQSWFAPEDHGYGTEVSTKNTPCSENKL DIQEKKLINQEKKMFRIINRS YIDRDSEYLLQENEPDGTLDQKLLEDLQKKKNDLRYIEMQHFREKLPSY GMQKELV NLIDNHQVTVISGETGCGKTTQVTQFILDNYIERGKGSACRIVCTQPRRISAISSAERV

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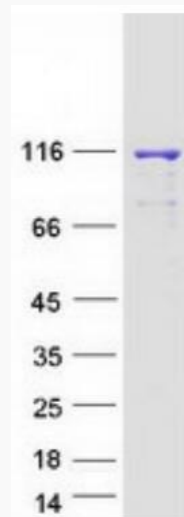
 45-1 Ramsey Road, Shirley, NY 11967, USA

AAER AESCGSGNSTGYQIRLQSRLPRKQGSILYCTTGILQWLQSDPYLSSVSHIVLD
 EIHERNLQSDVLMTVV KDLLNFRSDLKVILMSATLNAEFSEYFGNCPMIHIPGFTFP
 VVEYLLEDVIEKIRYVPEQKEHRCQFKR GFMQGHVNRQEKEEKEAIYKERWPDYVR
 ELRRRYSASTVDVIEMMEDDKVDLNLIVALIRYIVLEEDGA ILVFLPGWDNISTLHDL
 LMSQVMFKSDKFLIPLHSLMPTVNQTQVFKRTPPGVRKIVIATNIAETSITI DDVYVI
 DGGKIKETHFDTQNNISTMSAEWVSKANAKQRKGRAGRVQPGHCYHLYNGLRASL
 LDDYQLPE ILRTPLEELCLQIKILRLGGIAYFLSRLMDPPSNEAVLLSIRHLMELNALDK
 QEELTPLGVHLARLPVEP HIGKMILFGALFCCLDPVLTAASLSFKDPFVIPLGKEKIA
 DARRKELAKDTRSDHLTVVNAFEGWEEAR RRGFRYEKDYCWEYFLSSNTLQMLH
 NMKGQFAEHLGAGFVSSRNPKDPESNINSNEKIIKAVICAGLY PKVAKIRLNLGKK
 RKMVKVYTKTDGLVAVHPKSVNVEQTDFHYNWLIYHLKMRTSSIYLYDCTEVSPYCL
 LFFGGDISIQKDNDQETIAVDEWIVFQSPARIAHLVKELRKELDILLQEKIESPHVDW
 NDTKSRDCAVL
 SAIDLIKTQEKATPRNFPPRFQDGYYSTRTTRPLEQKLISEEDLAANDILDYKDDDDKV

Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining.
Stability	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
Storage	Store at -80 centigrade.
Concentration	>50 ug/mL as determined by microplate BCA method.
Preparation	Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.
Full Length	Full L.

GENE INFORMATION

Gene Name	DHX36 DEAH-box helicase 36 [Homo sapiens (human)]
Official Symbol	DHX36
Synonyms	G4R1; RHAU; DDX36; MLEL1
Gene ID	170506
mRNA Refseq	NM_020865.3
Protein Refseq	NP_065916.2
MIM	612767
UniProt ID	Q9H2U1



Coomassie blue staining of purified DHX36 protein.

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