

Datasheet for ABIN7565011  
**DHX34 Protein (AA 1-1145) (His tag)**



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## Overview

Quantity:	1 mg
Target:	DHX34
Protein Characteristics:	AA 1-1145
Origin:	Mouse
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This DHX34 protein is labelled with His tag.
Application:	SDS-PAGE (SDS), Western Blotting (WB)

## Product Details

Purpose:	Custom-made recombinat Dhx34 Protein expressed in mammalien cells.
Sequence:	<p>MPPPRTREGR GHRDRDHHRA PREEEAPEKW DWNCPETRCL LEDVFFRDED YIRRGSEECQ            KFWAFFERLQ RFQHLKTSQK KKKDPGMPKH GIAALADLPL TYDPRYRINL SILSPDTRGR            HGPGRGLPPE RVSEFRRALL HYLDFQKQQA FGRLAKLQRE RAALPIAQYG NRILQTLKEH            QVVVVAGDTG CGKSTQVPQY LLAAGFSHVA CTQPRRIACI SLAKRVGFES LSQYGSQVGY            QIRFESTRSA ATKIVFLTVG LLLRQIQREP SLPQYQVLIV DEVHERHLHN DFLLGVLQRL            LPQRPDVKVI LMSATINISL FSSYFSHAPV VQVPGRLFPI TVVYQPQEAD QTASKSEKLD            PRPFLRVLEA IDNKYPPEER GDLLVFLSGM AEITTVLDAA QAYASLTQRW VVLPLHSALS            VSDQDKVFDV APAGVRKCIL STNIAETSVT IDGIRFVVDV GKVKEMSYDP QAKLQRLQEF            WISQASAEQR KGRAGRTGPG VCYRLYAESD YDAFAPYPVP EIRRALDAL VLQMKSMSVG            DPRTFFPIEP PPPASVETAI LYLQEQGALD SSEALTPIGS LLAQLPVDVV IGKMLILGSM            FSLAEPVLT I AAALSVQSPF TRSAQSNLDC ATARRPLESD QGDPFTLFNV FNAWVQVKSE</p>

## Product Details

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RSGNSRKWCR RRGVEEHRLY EMANLRRQFK ELLEDHGLLS GAQVVAPGDS YSRLQRRER  
RALHQLKRQH EEGGRRRKV LRLQEDGCSS DEEDRKGSTS QRADSVDIQD VKFKLRHNLE  
QLQAAASSAQ DLTRDQLALL KLVLGRGLYP QLAVPDAFNS GRKSDSQIFH TQAKQGTVLH  
PTCVFANSPE VLHTQGQEAS GQEGSQDGRD QMSCKHQLLA FVSLLETNKP YLVNVCVRIPA  
LQSLLLFSRS IDTNGDCSRL VADGWLELQL ADSESAVRL ATSLRLRAHW ESALDRQLAR  
QAQRKLEQE EDVGSPAVSP QEVAALSREL LQFMAAKVPY RLRLTGLEA QNLYVGPQTI  
TTAPSLPGLF GNSTLSPHPT KGGYAVSDYL TYNCLTSDTD LYSDCLRSFW TCPHCGLHMP  
FTPLERIAHE NTCPEAPGDD PGSEEAAPAP PQKTSALQRP YHCQVCGQDF LFTPTEVLRH RRQHV

**Sequence without tag. The proposed Purification-Tag is based on experiences with the expression system, a different complexity of the protein could make another tag necessary. In case you have a special request, please contact us.**

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### Characteristics:

#### Key Benefits:

- Made to order protein - from design to production - by highly experienced protein experts.
- Protein expressed in mammalian cells and purified in one-step affinity chromatography
- The optimized expression system ensures reliability for intracellular, secreted and transmembrane proteins.
- State-of-the-art algorithm used for plasmid design (Gene synthesis).

This protein is a made-to-order protein and will be made for the first time for your order. Our experts in the lab try to ensure that you receive soluble protein.

If you are not interested in a full length protein, please contact us for individual protein fragments.

The big advantage of ordering our made-to-order proteins in comparison to ordering custom made proteins from other companies is that there is no financial obligation in case the protein cannot be expressed or purified.

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### Purity:

> 90 % as determined by Bis-Tris Page, Western Blot

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### Grade:

custom-made

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## Target Details

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### Target:

DHX34

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### Alternative Name:

Dhx34 ([DHX34 Products](#))

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### Background:

Probable ATP-dependent RNA helicase DHX34 (EC 3.6.4.13) (DEAH box protein 34) (DExH-box helicase 34),FUNCTION: Probable ATP-binding RNA helicase (By similarity). Required for

## Target Details

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nonsense-mediated decay (NMD) degradation of mRNA transcripts containing premature stop codons (By similarity). Promotes the phosphorylation of UPF1 along with its interaction with key NMD pathway proteins UPF2 and EIF4A3 (By similarity). Negatively regulates the nucleotide binding ability and ATP hydrolysis of the RUVBL1-RUVBL2 complex via induction of N-terminus conformation changes of the RUVBL2 subunits (By similarity).

{ECO:0000250|UniProtKB:A2BIE5, ECO:0000250|UniProtKB:Q14147}.

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Molecular Weight: 128.5 kDa

UniProt: [Q9DBV3](#)

## Application Details

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Application Notes: In addition to the applications listed above we expect the protein to work for functional studies as well. As the protein has not been tested for functional studies yet we cannot offer a guarantee though.

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Restrictions: For Research Use only

## Handling

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Format: Liquid

Buffer: The buffer composition is at the discretion of the manufacturer.

Handling Advice: Avoid repeated freeze-thaw cycles.

Storage: -80 °C

Storage Comment: Store at -80°C.

Expiry Date: 12 months