

Datasheet for ABIN7553655
DHX34 Protein (AA 1-1143) (His tag)



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Overview

Quantity:	1 mg
Target:	DHX34
Protein Characteristics:	AA 1-1143
Origin:	Human
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 mammalian cells.
Sequence:	MPPPRTREGR DRRDHHRAPS EEEALEKWDW NCPETRRLE DAFFREEDIYI RQGSEECQKF WTFFERLQRF QNLKTSRKEE KDPGQPKHSI PALADLPRTY DPRYRINLSV LGPATRGSQG LGRHLP AERV AEFRRALLHY LDFGQKQAFG RLAKLQRERA ALPIAQYGNR ILQTLKEHQV VVVAGDTGCG KSTQVPQYLL AAGFSHVACT QPRRIACISL AKRVGFESLS QYGSQVGYQI RFESTRSAAT KIVFLTVGLL LRQIQREPSL PQYEV LIVDE VHERHLHND F LLGVLQRLLP TRPDLK VILM SATINISLFS SYFSNAPVVQ VPGRLFPITV VYQPQAEPT TSKSEKLDPR PFLRVLESID HKYPPEERGD LLVFLSGMAE ISAVLEAAQT YASHTQRWV LPLHSALSVA DQDKVFDVAP P GVRKCILST NIAETSVTID GIRFVVD SGK VKEMSYPQA KLQRLQEFWI SQASAEQRKG RAGRTGPGVC FRLYAESDYD AFAPYPVPEI RRVALDSLVL QMKSMSVGD P RTFFPIEPPP PASLETAILY LRDQGALDSS EALTPIGSL L AQLPVDV VIG KMLILGSMFS LVEPVL TIAA ALSVQSPFTR SAQSSPECAA ARRPLESDQG DPFTLFNVFN AWWQVKSERS

Product Details

RNSRKWCRRR GIEEHRLYEM ANLRRQFKEL LEDHGLLAGA QAAQVGDSYS RLQQRERRA
LHQLKRQHEE GAGRRRKVLR LQEEQDGGSS DEDRAGPAPP GASDGVDIQD VKFKLRHDLA
QLQAAASSAQ DLSREQLALL KLVLGRGLYP QLAVPDAFNS SRKDSQIFH TQAKQGAVLH
PTCVFAGSPE VLHAQELEAS NCDGSRDDKD KMSSKHQLLS FVSLLETNKP YLVNVCVRIPA
LQSLLLFSRS LDTNGDCSRL VADGWLELQL ADSESAIRLL AASLRLRARW ESALDRQLAH
QAQQQLEEEE EDTPVSPKEV ATLSKELLQF TASKIPYSLR RLTGLEVQNM YVGPQTIPAT
PHLPGLFGSS TSPHPTKGG YAVTDFLTYN CLTNDTDLYS DCLRTFWTCP HCLGHAPLTP
LERIAHENTC PQAPQDGPPG AEEAALETQ KTSVLQRPYH CEACGKDFLF TPTEVLRHRK QHV

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.

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.

Purity:

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

Grade:

custom-made

Target Details

Target:

DHX34

Alternative Name:

DHX34 ([DHX34 Products](#))

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 required for nonsense-mediated

Target Details

decay (NMD) degradation of mRNA transcripts containing premature stop codons (PubMed:25220460, PubMed:33205750). Promotes the phosphorylation of UPF1 along with its interaction with key NMD pathway proteins UPF2 and EIF4A3 (PubMed:25220460). Interaction with the RUVBL1-RUVBL2 complex results in loss of nucleotide binding ability and ATP hydrolysis of the complex (PubMed:33205750). 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 (PubMed:33205750). {ECO:0000269|PubMed:25220460, ECO:0000269|PubMed:33205750}.

Molecular Weight: 128.1 kDa

UniProt: [Q14147](#)

Application Details

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.

Restrictions: For Research Use only

Handling

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