abcam

Product datasheet

Recombinant Human RNA Helicase A protein ab114300

1 Image

Description

Product name	Recombinant Human RNA Helicase A protein
Expression system	Wheat germ
Accession	**Q08211**
Protein length	Protein fragment
Animal free	No
Nature	Recombinant
Species	Human
Sequence	MGDVKNFLYAWCGKRKMTPTYEIRAVGNKNRQKFMCEV QVEGYNYTGMGN STNKKDAQSNAARDFVNYLVRINEIKSEEVPAFGVASPPP
Predicted molecular weight	36 kDa including tags
Amino acids	1 to 90

Specifications

Our **Abpromise guarantee** covers the use of **ab114300** in the following tested applications.

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Applications	Western blot ELISA SDS-PAGE
Form	Liquid

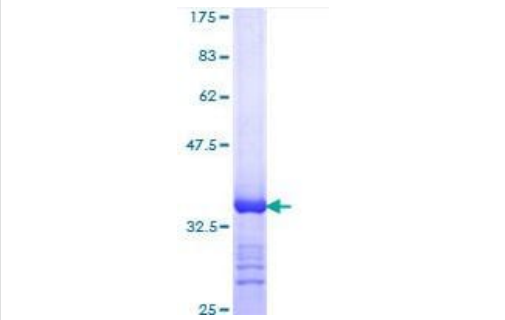
Preparation and Storage

Stability and Storage	Shipped on dry ice. Upon delivery aliquot and store at -80ºC. Avoid freeze / thaw cycles. pH: 8.00 Constituents: 0.3% Glutathione, 0.79% Tris HCl

General Info

Function	Unwinds double-stranded DNA and RNA in a 3' to 5' direction. Alteration of secondary structure may subsequently influence interactions with proteins or other nucleic acids. Functions as a transcriptional activator. Component of the CRD-mediated complex that promotes MYC mRNA stability.
Sequence similarities	Belongs to the DEAD box helicase family. DEAH subfamily. Contains 2 DRBM (double-stranded RNA-binding) domains. Contains 1 helicase ATP-binding domain. Contains 1 helicase C-terminal domain.
Domain	The MTAD domain mediates interaction with the RNA polymerase II holoenzyme. The NTD domain is necessary and sufficient for nucleo-cytoplasmic shuttling and interaction with HRMT1L2 and SMN1.
Post-translational modifications	Methylated. HRMT1L2 mediated methylation of undefined Arg residues in the NTD is required for nuclear localization. May be phosphorylated by PRKDC/XRCC7. Phosphorylated upon DNA damage, probably by ATM or ATR.
Cellular localization	Nucleus > nucleolus. Cytoplasm. Localized in cytoplasmic mRNP granules containing untranslated mRNAs. Can shuttle between nucleus and cytoplasm.

Images



SDS-PAGE - Recombinant Human RNA Helicase A protein (ab114300)

12.5% SDS-PAGE image showing ab114300 Stained with Coomassie Blue.

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- Replacement or refund for products not performing as stated on the datasheet
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- Response to your inquiry within 24 hours
- We provide support in Chinese, English, French, German, Japanese and Spanish
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- We investigate all quality concerns to ensure our products perform to the highest standards

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