abcam

Product datasheet

Recombinant Human TRBP protein (denatured) ab181920

1 References 1 Image

Description

Product name	Recombinant Human TRBP protein (denatured)
Purity	> 85 % SDS-PAGE.
Expression system	Escherichia coli
Accession	Q15633-2
Protein length	Full length protein
Animal free	No
Nature	Recombinant
Species	Human
Sequence	MLAANPGKTP ISLLQEYGTR IGKTPVYDLL KAEGQAHQPN FTFRVTVGDT SCTGQGPSKK AAKHKAAEVA LKHLKGGSML EPALEDSSSF SPLDSSLPED IPVFTAAAAA TPVPSVVLTR SPPMELQPPV SPQQSECNPV GALQELVVQK GWRLPEYTVT QESGPAHRKE FTMTCRVERF IEIGSGTSKK LAKRNAAAKM LLRVHTVPLD ARDGNEVEPD DDHFSIGVGS RLDGLRNRGP GCTWDSLRNS VGEKILSLRS CSLGSLGALG PACCRVLSEL SEEQAFHVSY LDIEELSLSG LCQCLVELST QPATVCHGSA TTREAARGEA ARRALQYLKI MAGSK
Predicted molecular weight	37 kDa
Amino acids	1 to 345
Additional sequence information	Isoform 2 (NP_004169).
Description	Recombinant Human TRBP protein

Specifications

Our **Abpromise guarantee** covers the use of **ab181920** in the following tested applications.

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

Applications	SDS-PAGE
Form	Liquid

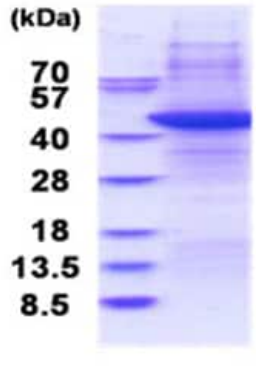
Preparation and Storage

Stability and Storage	Shipped at 4°C. Store at +4°C short term (1-2 weeks). Upon delivery aliquot. Store at -20°C or -80°C. Avoid freeze / thaw cycle. pH: 8.00 Constituents: 2.4% Urea, 10% Glycerol (glycerin, glycerine), 0.32% Tris HCl

General Info

Function	Required for formation of the RNA induced silencing complex (RISC). Component of the RISC loading complex (RLC), also known as the micro-RNA (miRNA) loading complex (miRLC), which is composed of DICER1, EIF2C2/AGO2 and TARBP2. Within the RLC/miRLC, DICER1 and TARBP2 are required to process precursor miRNAs (pre-miRNAs) to mature miRNAs and then load them onto EIF2C2/AGO2. EIF2C2/AGO2 bound to the mature miRNA constitutes the minimal RISC and may subsequently dissociate from DICER1 and TARBP2. May also play a role in the production of short interfering RNAs (siRNAs) from double-stranded RNA (dsRNA) by DICER1. Binds to the HIV-1 TAR RNA which is located in the long terminal repeat (LTR) of HIV-1, and stimulates translation of TAR-containing RNAs. This is achieved in part at least by binding to and inhibiting EIF2AK2/PKR, thereby reducing phosphorylation and inhibition of EIF2S1/eIF-2-alpha. May also promote translation of TAR-containing RNAs independently of EIF2AK2/PKR.
Sequence similarities	Contains 3 DRBM (double-stranded RNA-binding) domains.
Cellular localization	Cytoplasm. Cytoplasm > perinuclear region. Nucleus.

Images



SDS-PAGE - Recombinant Human TRBP protein (denatured) (ab181920)

15% SDS PAGE analysis of ab181920 (3µg).

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