

Datasheet for ABIN5713952
YBX1 Protein (AA 2-322) (His tag)[Go to Product page](#)

1 Image

Overview

Quantity:	100 µg
Target:	YBX1
Protein Characteristics:	AA 2-322
Origin:	Mouse
Source:	Yeast
Protein Type:	Recombinant
Purification tag / Conjugate:	This YBX1 protein is labelled with His tag.
Application:	SDS-PAGE (SDS)

Product Details

Sequence:	SSEAETQPP AAPAAALSAA DTKPGSTGSG AGSGGPGGLT SAAPAGGDKK VIATKVLGTV KWFNVRNGYG FINRNDTKED VVHQTAIKK NNPRKYLRSV GDGETVEFDV VEGEKGAEEA NVTGPGGVPV QGSKYAADRN HYRRYPRRRG PPRNYQQNYQ NSESGEKNES SESAPEGQAQ QRRPYRRRRF PPYYMRRPYA RRPQYSNPPV QGEVMEGADN QGAGEQGRP V RQNMRYGYP RFRRGPPRQR QPREDGNEED KENQGDETQG QQPPQRRYRR NFNYRRRRRPE NPKPQDGKET KAADPPAENS SAPEAEQGGA E
Purification:	SDS-PAGE
Purity:	> 90 %

Target Details

Target:	YBX1
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Target Details

Alternative Name: YBOX1 ([YBX1 Products](#))

Background: Mediates pre-mRNA alternative splicing regulation. Component of the CRD-mediated complex that promotes MYC mRNA stability. Binds to splice sites in pre-mRNA and regulates splice site selection. Binds and stabilizes cytoplasmic mRNA. Contributes to the regulation of translation by modulating the interaction between the mRNA and eukaryotic initiation factors. Binds to promoters that contain a Y-box (5'-CTGATTGGCCAA-3'), such as HLA class II genes. Regulates the transcription of numerous genes. Promotes separation of DNA strands that contain mismatches or are modified by cisplatin. Has endonucleolytic activity and can introduce nicks or breaks into double-stranded DNA (in vitro). May play a role in DNA repair. Its transcriptional activity on the multidrug resistance gene MDR1 is enhanced in presence of the APEX1 acetylated form at 'Lys-6' and 'Lys-7'. Binds preferentially to 5'-[CU]CUGCG-3' motif in vitro. The secreted form acts as an extracellular mitogen and stimulates cell migration and proliferation.

Molecular Weight: 37.6 kDa

UniProt: [P62960](#)

Pathways: [Regulation of Muscle Cell Differentiation](#)

Application Details

Application Notes: Optimal working dilution should be determined by the investigator.

Restrictions: For Research Use only

Handling

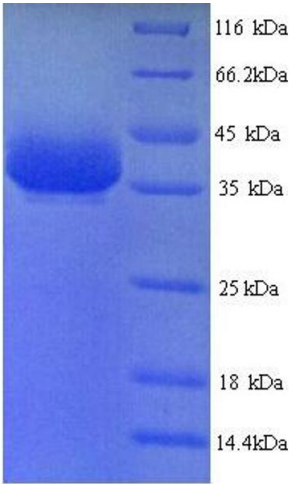
Format: Liquid

Concentration: 0.1-2 mg/mL

Buffer: 20 mM Tris-HCl based buffer, pH 8.0

Storage: -80 °C, 4 °C, -20 °C

Storage Comment: Store at -20°C, for extended storage, conserve at -20°C or -80°C. Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.



SDS-PAGE

Image 1.