

Product datasheet

Recombinant *S. cerevisiae* Hsp90 protein ab157271

Overview

Product name	Recombinant <i>S. cerevisiae</i> Hsp90 protein
Protein length	Full length protein

Description

Nature	Recombinant
Source	Escherichia coli
Amino Acid Sequence	
Accession	P02829
Species	Saccharomyces cerevisiae

Sequence

MASETFEFQAEITQLMSLIINTVYSNKEIFLRELISNASDA
 LDKIRYKSL
 SDPKQLETEPDLFIRITPKPEQKVLEIRDSGIGMTKAELI
 >NNLGTIAKSG
 TKAFMEALSAGADVSMIGQFGVGFYSLFLVADRVQVIS
 KSNDDQYWES
 NAGGSFTVTLDEVNERIGRGTILRLFLKDDQLEYLEEKR
 IKEVIKRHSEF
 VAYPIQLVVTKEVEKEVPIPEEEKKDEEKKDEEKKDE
 DDKKPKLEEVDDEE
 EEKKPKTKKVKEEVQIEEELNKTPLWTRNPSDITQEE
 YNAFYKISISNDW
 EDPLVVKHFSVEGQLEFRAILFIPKRAPFDLFESKSKK
 NNIKLYVRRVFI
 TDEAEDLIPEWLSFVKGVDSEDLPLNLSREMLQQNKI
 MKVIRKNIVKKL
 IEFNEIAEDSEQFEKFYSAFSKNIKLGVHEDTQNRAAL
 AKLLRYNSTKS
 VDELTSLTDYVTRMPEHQKNIIYITGESLKAVEKSPFLD
 ALKAKNFEVLF
 LTDPIDEYAFTQLKEFEGKTLVDITKDFELEETDEEKAE
 REKEIKEYEPL
 TKALKEILGDQVEKVVVSYKLLDAPAAIRTGQFGWSAN
 MERIMKAQALRD
 SSMSSYMSSKKTFEISPKSPIIKELKKRVDEGGAQDKT
 VKDLTKLLYETA

Molecular weight	82 kDa
Amino acids	1 to 709
Tags	His tag N-Terminus

Specifications

Our [Abpromise guarantee](#) covers the use of **ab157271** 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
Purity	>= 99 % .
Form	Liquid
Additional notes	For maximum product recovery after thawing, centrifuge the vial before opening the cap.

Preparation and Storage

Stability and Storage	Shipped at 4°C. Upon delivery aliquot and store at -80°C. Avoid freeze / thaw cycles. pH: 7.50 Constituents: 1.12% Potassium chloride, 0.95% HEPES
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General Info

Function	Molecular chaperone that promotes the maturation, structural maintenance and proper regulation of specific target proteins involved for instance in cell cycle control and signal transduction. Undergoes a functional cycle that is linked to its ATPase activity. This cycle probably induces conformational changes in the client proteins, thereby causing their activation. Interacts dynamically with various co-chaperones that modulate its substrate recognition, ATPase cycle and chaperone function.
Sequence similarities	Belongs to the heat shock protein 90 family.
Domain	The TPR repeat-binding motif mediates interaction with TPR repeat-containing proteins like the co-chaperone STUB1.
Post-translational modifications	ISGylated. S-nitrosylated; negatively regulates the ATPase activity and the activation of eNOS by HSP90AA1.
Cellular localization	Cytoplasm. Melanosome. Identified by mass spectrometry in melanosome fractions from stage I to stage IV.

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