

# Recombinant human Hsp70 protein ab78433

[1 References](#) [2 图像](#)

### 描述

<b>产品名称</b>	重组人Hsp70蛋白
<b>生物活性</b>	ab78433 has ATPase activity at the time of manufacture of 3.0µM phosphate liberated/hr/µg protein in a 200µl reaction at 37°C (pH7.5) in the presence of 20ul of 1mM ATP using a Malachite Green assay.
<b>纯度</b>	> 95 % SDS-PAGE.
<b>表达系统</b>	Escherichia coli
<b>蛋白长度</b>	Full length protein
<b>无动物成分</b>	No
<b>性质</b>	Recombinant
<b>种属</b>	Human
<b>序列</b>	AKAAAIGIDLGTTYSCVGVFQHGKVEIIANDQGNRTTPSYVA FTDTERLI GDAAKNQVALNPQNTVFDKRLIGRKFQDPVVQSDMKHWPFFQ VINDGDKP KVQVSYKGETKAFYP EEISSMVLTKMKEIAEAYLGYPVTVNAV ITVPAYFN DSQRQATKDAGVIAGLNLVRIINEPTAAAIAYGLDRTGKGER NVLIFDLG GGTFDVSILTIDDGIFEVKATAGDTHLGGEDFDNRLVNHFVE EFKRKHKK DISQNKRAVRRRLTACERAKRTLSSSTQASLEIDSLFEGIDF YTSITRAR FEELCSDLFRSTLEPVEKALRDAKLDKAQIHDLVLVGGSTRI PKVQKLLQ DFFNQRDLNKSINPDEAVAYGAAVQAAILMGDKSENVQDLLL LDVAPLSL GLETAGGVM TALIKRNSTIPTKQTQIFTTYSDNQPGVLIQVY EGERAMTK DNLLGRFELSGIPPAPRGVPQIEVTFDIDANGILNVTATDK STGKANKI TITNDKGRLSKEEIERMVQEAKEYKAEDVQRERVSANKALE SYAFNMKS AVEDEGLKGGKISEADKKKVLDKCQEVISWLDANTLAEKDEFE

HKRKELEQ  
VCNPIISGLYQGAGGPGGGFQAQGPCKGGSGSGPTIEEVD

预测分子量 70 kDa  
氨基酸 1 to 641

## 技术指标

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Our **Abpromise guarantee** covers the use of **ab78433** in the following tested applications.

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

应用 Western blot  
ELISA  
Functional Studies  
Competitive Binding Assays  
SDS-PAGE

形式 Liquid

## 制备和贮存

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稳定性和存储 Shipped at 4°C. Store at -20°C. Stable for 12 months at -20°C.  
Constituents: 0.242% Tris, 0.0154% DTT, 0.0475% Magnesium chloride, 0.375% Potassium chloride  
This product is an active protein and may elicit a biological response in vivo, handle with caution.

## 常规信息

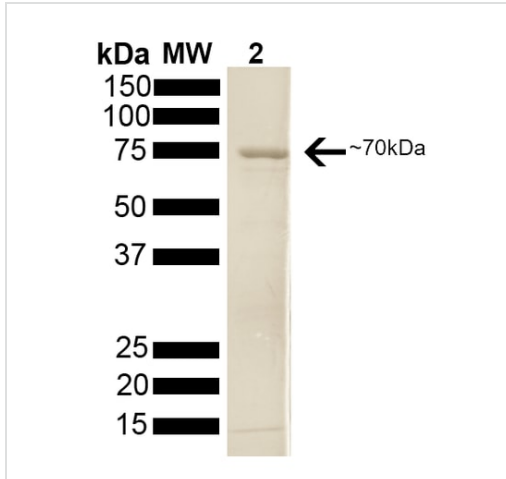
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相关性 Function: In cooperation with other chaperones, the Hsp70 family stabilize preexistent proteins against aggregation and mediate the folding of newly translated polypeptides in the cytosol as well as within organelles. These chaperones participate in all these processes through their ability to recognize nonnative conformations of other proteins. They bind extended peptide segments with a net hydrophobic character exposed by polypeptides during translation and membrane translocation, or following stress-induced damage. In case of rotavirus A infection, serves as a post-attachment receptor for the virus to facilitate entry into the cell. Tissue specificity: HSPA1B is testis-specific.

细胞定位 Cytoplasm. Localized in cytoplasmic mRNP granules containing untranslated mRNAs.

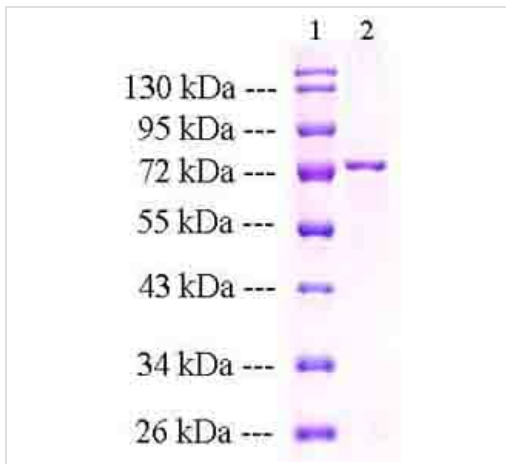
## 图片

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SDS-PAGE of 70kDa Hsp70 protein.

SDS-PAGE - Recombinant human Hsp70 protein  
(ab78433)



Lane 1. Molecular weight ladder

Lane 2. Hsp70 protein

SDS-PAGE - Recombinant human Hsp70 protein  
(ab78433)

**Please note:** All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES"

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