

Recombinant human Hsp70 protein (Active) ab78434

1 Image

Description

Product name	Recombinant human Hsp70 protein (Active)
Biological activity	ab78434 tested positive for ATPase activity using a Malachite Green assay.
Purity	> 90 % SDS-PAGE. ab78434 is affinity purified.
Endotoxin level	< 0.700 Eu/ml
Expression system	Baculovirus infected BTI-TN-5B1-4 cells
Accession	<b><u>P0DMV8</u></b>
Protein length	Full length protein
Animal free	No
Nature	Recombinant
Species	Human
Sequence	MAKAAAIGID LGTTYSCVGV FQH GKVEIIA NDQGNRTTPS YVAFDTERL IGDAAKNQVA LNPQNTVFDA KRLIGRKFGD PVVQSDMKHW PFQVINDGDK PKVQVSYKGE TKAFYPEEIS SMVLTKMKEIAEAYLGYPVT NAVITVPAYF NDSQRQATKD AGVIAGLNLV RIINEPTAAA IAYGLDRTGK GERNVLIFDL GGGTFDVSIL TIDGIFEVK ATAGDTHLGG EDFDNRLVNH FVEEFKRKHK KDISQNKRAV RRLRTACERA KRTLSSSTQA SLEIDSLFEG IDFYTSITRA RFEELCSDLF RSTLEPVEKA LRDAKLDKAQ IHDLVLVGGS TRIPKVQKLL QDFFNGRDLN KSINPDEAVA YGAAVQAAIL MGDKSENVQD LLLLDVAPLS LGLETAGGVM TALIKRNSTI PTKQTQIFTT YSDNQPGVLI QVYEGERAMT KDNLLGRFE LSGIPPAPRG VPQIEVTFDI DANGILNVTA TDKSTGKANK ITITNDKGRL SKEEIERMVQ EAEKYKAEDE VQRERVSAKN ALESYAFNMK SAVEDEGLKG KISEADKKKV LDKCQEVISW LDANTLAEKD EFEHKRKELE QVCNPIISGL YQGAGGPGPG GFGAQGPKGG SGSGPTIEEV D
Predicted molecular weight	70 kDa
Amino acids	1 to 641

<b>Tags</b>	His tag N-Terminus
<b>Additional sequence information</b>	(NM_005345) (Gene ID 3303) (P0DMV9)

## Specifications

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Our **Abpromise guarantee** covers the use of **ab78434** in the following tested applications.

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

<b>Applications</b>	Western blot
	ELISA
	Functional Studies
	Competitive Binding Assays
	SDS-PAGE

<b>Form</b>	Liquid
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## Preparation and Storage

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<b>Stability and Storage</b>	Shipped at 4°C. Store at -20°C. Stable for 12 months at -20°C.
	Constituents: 0.87% Sodium chloride, 0.24% Tris, 10% Glycerol
	This product is an active protein and may elicit a biological response in vivo, handle with caution.

## General Info

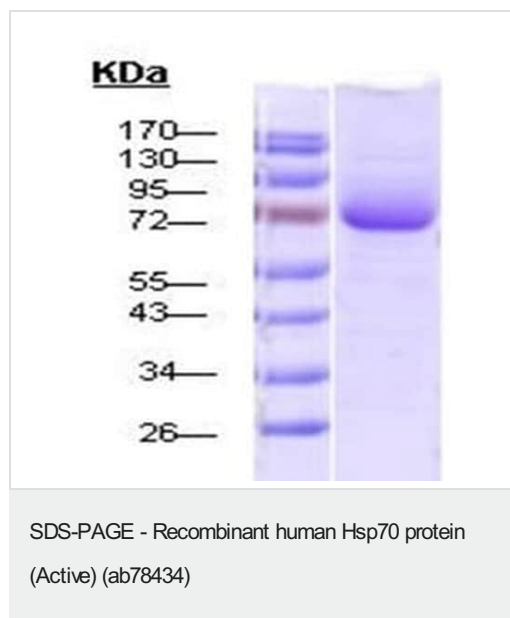
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<b>Relevance</b>	Function: In cooperation with other chaperones, the Hsp70 family stabilize preexistent proteins against aggregation and mediate the folding of newly translated polypeptides in the cytosol as well as within organelles. These chaperones 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.
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<b>Cellular localization</b>	Cytoplasm. Localized in cytoplasmic mRNP granules containing untranslated mRNAs.
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## Images

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

### Our Abpromise to you: Quality guaranteed and expert technical support

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- Replacement or refund for products not performing as stated on the datasheet
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- We provide support in Chinese, English, French, German, Japanese and Spanish
- Extensive multi-media technical resources to help you
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If the product does not perform as described on this datasheet, we will offer a refund or replacement. For full details of the Abpromise, please visit <https://www.abcam.com/abpromise> or contact our technical team.

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