

Product datasheet

Recombinant Human Hsp105/HSP110 protein ab78790

★★★★★ 1 Abreviews 1 References 1 Image

Description

<b>Product name</b>	Recombinant Human Hsp105/HSP110 protein
<b>Purity</b>	> 90 % SDS-PAGE. ab78790 is purified using conventional chromatography techniques.
<b>Expression system</b>	Escherichia coli
<b>Protein length</b>	Full length protein
<b>Animal free</b>	No
<b>Nature</b>	Recombinant
<b>Species</b>	Human
<b>Sequence</b>	<pre> MRGSHHHHHH GMASMTGGQQ MGRDLYDDDD KDRWGSMVSV GLDVGSQSCY IAVARAGGIE TIANEFSDRC TPSVISFGSK NRTIGVAAKN QQITHANNTV SNFKRFHGRA FNDPFIQKEK ENLSYDLVPL KNGGVGIKVM YMGEEHLSV EQITAMLLTK LKETAENSLK KPVTD CVISV PSFFTDAERR SVLDAAQVIG LNCLRLMNDM TAVALNYGIY KQDLPSLDEK PRIMVFVDMG HSAFQVSACA FNKGKLVLG TAFDPFLGGK NFDEKLVEHF CAEFKTKYKL DAKSKIRALL RLYQECEKLG KLMSSNSTDL PLNIECFMND KDVSGKMNRS QFEELCAELL QKIEVPLYSL LEQTHLKVED VSAVEIVGGA TRIPAVKERI AKFFGKDIST TLNADEAVAR GCALQCAILS PAFKVREFSV TDAVPFPISL MNHDS EDTE GVHEVFSRNH AAPFSKVLTF LRRGPFELEA FYSDPQGVV PY PEAKIGRFVV QNVSAQKDGE KSRVKVKVRV NTHGIFTIST ASMVEKVPT E ENEMSSEADM ECLNQRPPEN PDTDKNVQQD NSEAGTQPQV QTDAQQTSQS PPSPELTSEE NKIPDADKAN EKKVDQPPEA KKP KIKVVNV ELPIEANLVW QLGKDLLNMY IETEGKMIMQ DKLEKER NDA KNAVEEYVYE FRDKLCGPYE KFICEQDHQN FLRLLTETED WLYEEGEDQA KQAYVDKLEE LMKIGTPVKV RFQEA EERP K MFEELGQRLQ HYAKIAADFR NKDEKYNHID ESEMKKVEKS VNEVMEWMNN VMNAQAKKSL </pre>

DQDPVVRAQE IKTKIKELNN TCEPVVTQPK PKIESPKLER  
TPNGPNIDKK EEDLEDKNNF GAEPPHQNGE  
CYPNEKNSVN MDLD

## Specifications

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Our [Abpromise guarantee](#) covers the use of **ab78790** 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>	SDS-PAGE
<b>Form</b>	Liquid
<b>Additional notes</b>	This product was previously labelled as Hsp105

## Preparation and Storage

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<b>Stability and Storage</b>	Shipped at 4°C. Upon delivery aliquot and store at -20°C. Avoid freeze / thaw cycles. pH: 8.00 Constituents: 0.242% Tris, 0.29% Sodium chloride
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## General Info

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<b>Function</b>	Prevents the aggregation of denatured proteins in cells under severe stress, on which the ATP levels decrease markedly. Inhibits HSPA8/HSC70 ATPase and chaperone activities.
<b>Tissue specificity</b>	Highly expressed in testis. Present at lower levels in most brain regions, except cerebellum. Overexpressed in cancer cells.
<b>Sequence similarities</b>	Belongs to the heat shock protein 70 family.
<b>Post-translational modifications</b>	Phosphorylation on Ser-509 may be important for regulation of the HSPA8/HSC70 chaperone activity.
<b>Cellular localization</b>	Cytoplasm.

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## Images

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12% SDS-PAGE showing ab78790 at approximately 100kDa (3µg).

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

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