

## Product datasheet

# Recombinant Human Hsp105/HSP110 protein ab78790

★★★★☆ [1 Abreviews](#) [2 References](#) [1 Image](#)

### Description

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<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>	

```
MRGSHHHHHH GMASMTGGQQ MGRDLYDDDD  
KDRWGSMSVV GLDVGSQSCY IAVARAGGIE  
TIANEFSDRC TPSVISFGSK NRTIGVAAKN QQITHANNTV  
SNFKRFHGRA FNDPFIQKEK ENLSYDLVPL  
KNGGVGIKVM YMGEEHLSV EQITAMLLTK  
LKETAENSLK KPVTDCVISV PSFFTAERR  
SVLDAAQVG LNCLRLMNDM TAVALNYGIY  
KQDLPSLDEK PRMVFVDMG HSAFQVSACA  
FNKGKLVLG TAFDPFLGGK NFDEKLVEHF  
CAEFKTKYKL DAKSKIRALL RLYQECEK  
KLMSSNSTDL PLNIECFMND KDVSGKMNRS  
QFEELCAELL QKIEVPLYSL LEQTHLKVED VSAVEVGGGA  
TRIPAVKERIAKFFGKDIST TLNADEAVAR GCALQCAILS  
PAFKVREFSV TDAVFPFISL IWNHDSSEDE  
GVHEVFSRNH AAPFSKVLTF LRRGPFELEA  
FYSDPQGVVPEAKIGRFVV QNVSAQKDGE  
KSRVKVKVRV NTHGIFTIST ASMVEKVPT  
ENEMSSEADM ECLNQRPPEN PDTDKNVQQD  
NSEAGTQPQV QTDAQQTSQS PPSPELTSEE  
NKIPDADKAN EKKVDQPPEA KKPPIKVVNV  
ELPIEANLVW QLGKDLLNMY IETEGKMIMQ  
DKLEKERNDA KNAVEEYWE FRDKLCGPYE  
KFICEQDHQN FLRLLTETED WLYEEGEDQA  
KQAYVDKLEE LMKIGTPVKV RFQEAERPK  
MFEELGQRLQ HYAKIAADFR NKDEKYNHID  
ESEMKKVEKS VNEVMEWMNN VMNAQAKKSL
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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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