

## Recombinant Human HSP90AB1, His-tagged

**Cat. No.** HSP90AB1-49H    **Lot. No.** (See product label)

### SPECIFICATION

|                         |  |
|-------------------------|--|
| <b>Product Overview</b> | Recombinant Human HSP90AB1(Met1~Asp724), fused with N-terminal His-Tag, was expressed in E.coli.   |
| <b>Species</b>          | Human  |
| <b>Source</b>           | E.coli   |
| <b>ProteinLength</b>    | 1-724 a.a.   |
| <b>Description</b>      | This gene encodes a member of the heat shock protein 90 family; these proteins are involved in signal transduction, protein folding and degradation and morphological evolution. This gene encodes the constitutive form of the cytosolic 90 kDa heat-shock protein and is thought to play a role in gastric apoptosis and inflammation. Alternative splicing results in multiple transcript variants. Pseudogenes have been identified on multiple chromosomes. |
| <b>Form</b>             | Supplied as lyophilized form in PBS, pH7.4, containing 5% trehalose, 0.01% sarcosyl.   |
| <b>Molecular Mass</b>   | 85.5kDa  |
| <b>AA Sequence</b>      | The target protein is fused with N-terminal His-Tag, its sequence is listed below.MGH HHHHSGSEFELRRQ-MPEEVHHGEE EVETFAFQAE IAQLMSLIIN TFYSNKEIFL R ELISNASDA LDKIRYESLT DPSKLDSGKE LKIDIIPNPQ ERTLTLVDTG IGMTKADLI N NLGTIAKSGT KAFMEALQAG ADISMIGQFG VGFYSAYLVA EKVVVITKHN DDEQ YAWESS AGGSFTVRAD HGEPIGRGTK VILHLKEDQT EYLEERRVKE VVKKHSQFI  |

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G YPITLYLEKE REKEISDDEA EEEKGEKEEE DKDDEEKPKI EDVGSDEEDD SGKD  
 KKKKTK KIKEKYIDQE ELNKTPIWT RNPDDITQEEYGEFYKSLTN DWEDHLAVKH  
 FSVEGQLEFR ALLFIPRRAP FDLFENKKKK NNIKLYVRRV FIMDSCDELI PEYLNFI  
 RGV VDSEDLPLNI SREMLQQSKI LKVIRKNIVK KCLELFSELA EDKENYKKFY EAF  
 SKNLKLG IHEDSTNRRR LSELLRYHTS QSGDEMTSLS EYVSRMKETQ KSIYYITG  
 ES KEQVANSAPV ERVRKRGFEV VYMTEPIDEY CVQQLKEFDG KSLVSVTKEG LE  
 LPEDEEEK KKMEESKAKF ENLCKLMKEI LDKKVEKVTI SNRLVSSPCC IVTSTYGW  
 TA NMERIMKAQA LRDNSTMGYM MAKKHLEINP DHPIVETLRQ KAEADKNDKA VK  
 DLVVLLFE TALLSSGFSL EDPQTHSNRI YRMIKLG LGLI DEDEVAAEEP NAAVPDEIP  
 P LEGDEDASRM EEVD

**Endotoxin** <1.0EU per 1g (determined by the LAL method)

**Purity** > 95%

**Usage** Reconstitute in sterile PBS, pH7.2-pH7.4.

**Storage** Avoid repeated freeze/thaw cycles. Store at 2-8°C for one month. Aliquot and store at -80°C for 12 months.

## GENE INFORMATION

**Gene Name** [HSP90AB1 heat shock protein 90kDa alpha \(cytosolic\), class B member 1 \[ Homo sapiens \(human\) \]](#)

**Official Symbol** HSP90AB1

**Synonyms** HSP90AB1; heat shock protein 90kDa alpha (cytosolic), class B member 1; HSPC2; HSPCB; D6S182; HSP90B; FLJ26984; HSP90-BETA; heat shock 90kDa protein 1, beta; OTTHUMP00000016518; OTTHUMP00000016519; heat shock protein beta; Heat shock protein HSP 90-beta; HSP 90; HSP 84; OTTHUMP00000016517;

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OTTHUMP00000039869; heat shock 90kD protein 1, beta

**Gene ID**

3326

**mRNA Refseq**

NM\_007355

**Protein Refseq**

NP\_031381

**MIM**

140572

**UniProt ID**

P08238

**Chromosome  
Location**



6p12

**Pathway**

Antigen processing and presentation; NOD-like receptor signaling pathway; Pathways in cancer; Progesterone-mediated oocyte maturation; Prostate cancer

**Function**

ATP binding; TPR domain binding; nitric-oxide synthase regulator activity; nucleotide binding; unfolded protein binding

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