

Recombinant Human HSP90AB1, His-tagged

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

SPECIFICATION

Product Overview	Recombinant Human HSP90AB1(Met1~Asp724), fused with N-terminal His-Tag, was expressed in E.coli.
Species	Human
Source	E.coli
ProteinLength	1-724 a.a.
Description	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.
Form	Supplied as lyophilized form in PBS, pH7.4, containing 5% trehalose, 0.01% sarcosyl.
Molecular Mass	85.5kDa
AA Sequence	The target protein is fused with N-terminal His-Tag, its sequence is listed below.MGH HHHHHSGSEFELRRQ-MPEEVHHGEE EVETFAFQAE IAQLMSLIIN TFYSNKEIFL R ELISNASDA LDKIRYESLT DPSKLD SGKE 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 VDSEDLPNI SREMLQQSKI LKVIRKNIVK KCLELFSELA EDKENYKKFY EAF
 SKNLKLG IHEDSTNRRR LSELLRYHTS QSGDEMTSLS EYVSRMKETQ KSIYYITG
 ES KEQVANSFAV ERVRKRGFEV VYMTEPIDEY CVQQLKEFDG KSLVSVTKEG LE
 LPEDEEEK KKMEESKAKF ENLCKLMKEI LDKKVEKVTI SNRLVSSPCC IVTSTYGW
 TA NMERIMKAQA LRDNSTMGYM MAKKHLEINP DHPIVETLRQ KAEADKNDKA VK
 DLVVLLFE TALLSSGFSL EDPQTHSNRI YRMIKLGLGI 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