

Recombinant Human HSP90B1, His-tagged

Cat. No. HSP90B1-27413TH **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant fragment, corresponding to amino acids 341-803 of Human GRP94 with N terminal His tag; 463 amino acids, 57kDa.
Species	Human
Source	E.coli
ProteinLength	341-803 a.a.
Description	HSP90 proteins are highly conserved molecular chaperones that have key roles in signal transduction, protein folding, protein degradation, and morphologic evolution. HSP90 proteins normally associate with other cochaperones and play important roles in folding newly synthesized proteins or stabilizing and refolding denatured proteins after stress. HSP90B1 is an endoplasmic reticulum HSP90 protein. Other HSP90 proteins are found in cytosol (see HSP90AA1; MIM 140571) and mitochondria (TRAP1; MIM 606219) (Chen et al.
Conjugation	HIS
Form	Lyophilised:Reconstitute with 89 µl aqua dest.
Storage buffer	Preservative: NoneConstituents: 0.5% Trehalose, 6M Urea, 100mM Sodium phosphate, 10mM Sodium chloride, pH 4.5
Storage	Store at 4°C. Upon reconstitution store at -80oC.

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Sequences of amino acids

PIWQRPSKEVEEDEYKAFYKSFSKESDDPMAYIHFTAEGE VTFKSILFVPTSAPRGL
 FDEYGSKKSDYIKLYVRRVFI TDDFHDMMPKYLNFVKGVDSDDLPLNVSRETLLQ
 HKLLK VIRKKLVKRTLDMIKKIADDDKYNDTFWKEFGTNIKLGV IEDHSNRTRLAKLLR
 FQSSHPTDITSLDQYVERMKEK QDKIYFMAGSSRKEAESSPFVERLLKKGYEVIYL
 TEPVDE YCIQALPEFDGKRFQNVAKEGVKFDESEKTKESREAVE KEFEPLLNWMK
 DKALKDKIEKAVVSQRLTESPCALVAS QYGWSGNMERIMKAQAYQTGKDISTNYA
 SQKKTFEINPR HPLIRDMLRRIKEDEDDKTVLDLAVVLFETATLRSGYL LPDTKAYG
 DRIERMLRSLNIDPDAKVEEEPEEEPEET AEDTTEDTEQDEDEEMDVGTDEEEET
 AKESTAEEKDEL

Sequence Similarities

Belongs to the heat shock protein 90 family.

GENE INFORMATION

Gene Name [HSP90B1 heat shock protein 90kDa beta \(Grp94\), member 1 \[Homo sapiens \]](#)

Official Symbol [HSP90B1](#)

Synonyms HSP90B1; heat shock protein 90kDa beta (Grp94), member 1; TRA1, tumor rejection antigen (gp96) 1; endoplasmin; GP96; GRP94;

Gene ID [7184](#)

mRNA Refseq [NM_003299](#)

Protein Refseq [NP_003290](#)

MIM [191175](#)

Uniprot ID [P14625](#)

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Chromosome Location	12q24.2-q24.3
Pathway	Activation of Chaperones by ATF6-alpha, organism-specific biosystem; Diabetes pathways, organism-specific biosystem; IL6-mediated signaling events, organism-specific biosystem; NOD-like receptor signaling pathway, organism-specific biosystem; NOD-like receptor signaling pathway, conserved biosystem;
Function	ATP binding; RNA binding; calcium ion binding; low-density lipoprotein particle receptor binding; nucleotide binding;

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