Recombinant Human HSP90AB1 Protein, GST-tagged

Cat. No. HSP90AB1-5100H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Human HSP90AB1 full-length ORF (NP_031381.2, 1 a.a. - 724 a.a.) recombinant protein with GST-tag at N-terminal.
Species	Human
Source	Wheat Germ
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. There are 2 major cytosolic HSP90 proteins, HSP90AA1 (MIM 140571), an inducible form, and HSP90AB1, a constitutive form. Other HSP90 proteins are found in endoplasmic reticulum (HSP90B1; MIM 191175) and mitochondria (TRAP1; MIM 606219) (Chen et al., 2005 [PubMed 16269234]).[supplied by OMIM
Molecular Mass	109.7 kDa
AA Sequence	MPEEVHHGEEEVETFAFQAEIAQLMSLIINTFYSNKEIFLRELISNASDALDKIRYESLT DPSKLDSGKELKIDIIPNPQERTLTLVDTGIGMTKADLINNLGTIAKSGTKAFMEALQA GADISMIGQFGVGFYSAYLVAEKVVVITKHNDDEQYAWESSAGGSFTVRADHGEPI GRGTKVILHLKEDQTEYLEERRVKEVVKKHSQFIGYPITLYLEKEREKEISDDEAEEE KGEKEEEDKDDEEKPKIEDVGSDEEDDSGKDKKKKTKKIKEKYIDQEELNKTKPIWT RNPDDITQEEYGEFYKSLTNDWEDHLAVKHFSVEGQLEFRALLFIPRRAPFDLFENK

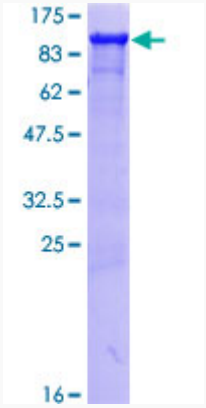
Tel: 1-631-559-9269 1-516-512-3133
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45-1 Ramsey Road, Shirley, NY 11967, USA

	KKKNNIKLYVRRVFIMDSCDELIPEYLNFIRGVVDSEDLPLNISREMLQQSKILKVIRKN IVKKCLELFSELAEDKENYKKFYEAFSKNLKLGIHEDSTNRRRLSELLRYHTSQSGDE MTSLSEYVSRMKETQKSIYYITGESKEQVANSAFVERVRKRGFEVVYMTEPIDEYCV QQLKEFDGKSLVSVTKEGLELPEDEEEKKKMEESKAKFENLCKLMKEILDKKVEKVTI SNRLVSSPCCIVTSTYGWTANMERIMKAQALRDNSTMGYMMAKKHLEINPDHPIVET LRQKAEADKNDKAVKDLVVLLFETALLSSGFSLEDPQTHSNRIYRMIKLGLGIDEDEV AAEEPNAAVPDEIPPLEGDEDASRMEEVD
Applications	Enzyme-linked Immunoabsorbent Assay Western Blot (Recombinant protein) Antibody Production Protein Array
Notes	Best use within three months from the date of receipt of this protein.
Storage	Store at -8 centigrade. Aliquot to avoid repeated freezing and thawing.
Storage Buffer	50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.

GENE INFORMATION

Gene Name	HSP90AB1 heat shock protein 90kDa alpha (cytosolic), class B member 1 [Homo sapiens]
Official Symbol	HSP90AB1
Synonyms	HSP90AB1; heat shock protein 90kDa alpha (cytosolic), class B member 1; heat shock 90kD protein 1, beta , heat shock 90kDa protein 1, beta , HSPC2, HSPCB; heat shock protein HSP 90-beta; heat shock 84 kDa; heat shock protein beta; heat shock 90kD protein 1, beta; heat shock 90kDa protein 1, beta; 90-kda heat shock protein beta HSP90 beta; HSP84; HSPC2; HSPCB; D6S182; HSP90B; HSP90-

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	BETA; FLJ26984;
Gene ID	3326
mRNA Refseq	NM_007355
Protein Refseq	NP_031381
MIM	140572
UniProt ID	P08238
Quality Control Testing	 12.5% SDS-PAGE Stained with Coomassie Blue.

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