

## Recombinant Human Heat Shock Protein 90 (Hsp90 $\beta$ ) (N-term His-tag)

<b>CATALOG #:</b>	4858H-25	25 $\mu$ g
	4858H-100	100 $\mu$ g
	4858H-1000	1 mg
<b>LOT #:</b>	_____	
<b>SOURCE:</b>	Produced in Sf9 cells	
<b>PURITY:</b>	$\geq$ 99%	
<b>MOLECULAR WEIGHT:</b>	85.4 kDa	
<b>PHYSICAL APPEARANCE:</b>	Liquid	
<b>FORMULATION:</b>	5 mg/ml in 40 mM HEPES/KOH, pH 7.5, containing 20 mM potassium chloride and 5% glycerol.	

### BACKGROUND:

Hsp90 is a molecular chaperone and is one of the most abundant proteins in unstressed cells. In mammalian cells, there are two genes encoding cytosolic Hsp90 homologues, with the human Hsp90 $\alpha$  showing 85% sequence identity to Hsp90 $\beta$ . The recombinant Hsp90 $\beta$  produced from Sf9 cells represents the full length (a.a. 1-723) of Hsp90 $\beta$  subunit and a N-term His-tag.

### AMINO ACID SEQUENCE:

MGSSHHHHHSSGLVPRGSHMPEEVHHGEEVEVTFPEEVHHGEEVEVTFQAEIAQLMSLI  
INTFYSNKEIFLRELISNASDALDKIRYESLTDPSKLDGKELKIDIIPNPQERTLTLVDTGIGMTK  
ADLINNLGTIAKSGTKAFMEALQAGADISMIGQFVGFYSAYLVAEKVVVITKHNDDQYAW  
SSAGGSFTVRADHGEPIGRGTVLHLKEDQTEYLEERRVKEVVKKHSQFIGYPITLYLEKERE  
KEISDDEAEKEEKEEEDKDDEEKPIEDVGSDEEDDSGKDKKKKTKKIKEKYIDQEELNKT  
KPIWTRNPDDITQEEYGEFYKSLTNDWEDHLAVKHFSVEGQLEFRALLFIPRRAPDFLFENKK  
KKNNIKLYVRRVFIMDSCDELIPEYLNFRGVVDSDELPLNISREMLQSQSKILKVRKNIVKCKLE  
LFSELAEDKENYKFFYAFSKNLKLGIHEDSTNRRRLSELLRYHTSQSGDEMTSLSEYVSRMK  
ETQKSIYYITGESKEQVANSFAVERVRKRGFEVVMTEPIDEYCVQQLKEFDGKSLVSVTKEG  
LELPEDEEEKKKMEESKAKFENLCKLMKEILDKKVEKVTISNRLVSSPCCIVTSTYGW TANME  
RIMKAQALRDNSTMGYMMAKKHLEINPDHPIVETLRQKAEADKNDKAVKDLVLLFETALLSS  
GFSLEDPQTHSNRIYMIKLGIGIDEVAAEENAAVPDEIPPLEGDEEDASRMEEVD

<b>SHIPPING:</b>	Shipping on dry ice
<b>STORAGE CONDITIONS:</b>	-80°C. Avoid freeze-thaw cycles.
<b>HANDLING:</b>	For maximum product recovery after thawing, centrifuge the vial prior to opening.

**For Research Use Only! Not to be used in humans.**

### RELATED PRODUCTS:

#### Apoptosis Detection Kits & Reagents

- Annexin V Kits & Bulk Reagents
- Caspase Assay Kits & Reagents
- Mitochondrial Apoptosis Kits & Reagents
- Nuclear Apoptosis Kits & Reagents
- Apoptosis Inducers and Set
- Apoptosis siRNA Vectors

#### Cell Fractionation System

- Mitochondria/Cytosol Fractionation Kit
- Nuclear/Cytosol Fractionation Kit
- Membrane Protein Extraction Kit
- Cytosol/Particulate Rapid Separation Kit
- Mammalian Cell Extraction Kit
- FractionPREP Fractionation System

#### Cell Proliferation & Senescence

- Quick Cell Proliferation Assay Kit
- Senescence Detection Kit
- High Throughput Apoptosis/Cell Viability Assay Kits
- LDH-Cytotoxicity Assay Kit
- Bioluminescence Cytotoxicity Assay Kit
- Live/Dead Cell Staining Kit

#### Cell Damage & Repair

- HDAC Fluorometric & Colorimetric Assays & Drug Discovery Kits
- HAT Colorimetric Assay Kit & Reagents
- DNA Damage Quantification Kit
- Glutathione & Nitric Oxide Fluorometric & Colorimetric Assay Kits

#### Signal Transduction

- cAMP & cGMP Assay Kits
- Akt & JNK Activity Assay Kits
- Beta-Secretase Activity Assay Kit

#### Adipocyte & Lipid Transfer

- Recombinant Adiponectin, Survivin, & Leptin
- CETP Activity Assay & Drug Discovery Kits
- PLTP Activity Assay & Drug Discovery Kits
- Total Cholesterol Quantification Kit

#### Molecular Biology & Reporter Assays

- siRNA Vectors
- Cloning Insert Quick Screening Kit
- Mitochondrial & Genomic DNA Isolation Kits
- 5 Minutes DNA Ligation Kit
- 20 Minutes Gel Staining/Destaining Kit
- $\beta$ -Galactosidase Staining Kit & Luciferase Reporter Assay Kit

#### Growth Factors and Cytokines

#### Monoclonal and Polyclonal Antibodies