

Recombinant Human Heat Shock Protein 90 (Hsp90 β)

CATALOG #:	4858-25	25 μ g
	4858-100	100 μ g
	4858-1000	1 mg
LOT #:	_____	
SOURCE:	Produced in Sf9 cells	
PURITY:	\geq 99%	
MOLECULAR WEIGHT:	83.1 kDa	
PHYSICAL APPEARANCE:	Liquid	
FORMULATION:	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 α showing 85% sequence identity to Hsp90 β . The recombinant Hsp90 β produced from Sf9 cells represents the full length (a.a. 1-723) of Hsp90 β subunit.

AMINO ACID SEQUENCE:

PEEVHHGEEVETFAFQAEIAQLMSLIINTFYNSKEIFLRELISNASDALDKIRYESLTDPSKLDG
 GKELKIDIIPNPQERTLTLVDTGIGMTKADLNNLGTIAKSGTKAFMEALQAGADISMIGQFGVG
 FYSAYLVAEKVVVITKHNDDEQYAWESSAGGSFTVRADHGEPIGRGTKVILHLKEDQTEYLEE
 RRVKEVVKKHSQFIGYPITLYLEKEREKEISDDEAEEEKGEKEEEDKDDEEKPKIEDVGSDEED
 DSGKDKKKKTKKIKEKYIDQEELNKTPIWTRNPDITQEEYGEFYKSLTNDWEDHLAVKHFS
 VEGQLEFRALLFIPRRAPFDLFENKKNKNIKLYVRRVFIMDSCDELIPEYLNFIKRVVDSDEL
 LNISREMLQSQSKILKIRKIVKCKLELSELAEDKENYKFFYEAFSKLNKLGIHEDSTNRRRLS
 ELLRYHTSQSGDEMTSLSEYVSRMKETQKSIYITGESKEQVANSFVERVRKRGFEVVYMT
 EPIDEYCVQQLKEFDGKSLVSVTKEGLELPEDEEKKMEESKAKFENLCKLMKEILDKKVEK
 VTISNRLVSSPCIVTSTYGTANMERIMKAQALRDNSTMGYMMAKKHLEINPDHPIVETLRQ
 KAEADKNDKAVKDLVLLFETALLSSGFSLQTHSNRIYRMIKLGIDIDEVAEEPNAAV
 PDEIPPLEGDEDASRMEEVD

SHIPPING:	Shipping on dry ice
STORAGE CONDITIONS:	-80°C. Avoid freeze-thaw cycles.
HANDLING:	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
- β -Galactosidase Staining Kit & Luciferase Reporter Assay Kit

Growth Factors and Cytokines

Monoclonal and Polyclonal Antibodies