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HSP90B1 Human

Catalog #:HYPS-098

For research use only.

Description:HSP90B1 produced in E.Coli is a single, non-glycosylated polypeptide chain containing 819 amino acids (22-803 a.a.) and having a molecular mass of 94.4 kDa.HSP90B1 is expressed with a 36 amino acid His tag at N-Terminus andpurified by proprietary chromatographic techniques.

Synonyms:ECGP, GP96, TRA1, GRP94, HSP90B1, Endoplasmin, Heat shock protein 90 kDa beta member 1, 94 kDa glucose-regulated protein, gp96 homolog, Tumor rejection antigen 1.

Source: Escherichia Coli.

Physical Appearance: Sterile filtered colorless solution.

Amino Acid Sequence:MRGSHHHHHH GMASMTGGQQ MGRDLYDDDD KDRWGSMDDE VDVDGTVEED LGKSREGSRT DDEVVQREEE AIQLDGLNAS QIRELREKSE KFAFQAEVNR MMKLIINSLY KNKEIFLREL ISNASDALDK IRLISLTDEN ALSGNEELTV KIKCDKEKNL LHVTDTGVGM TREELVKNLG TIAKSGTSEF LNKMTEAQED GQSTSELIGQ FGVGFYSAFL VADKVIVTSK HN

Purity: Greater than 90.0% as determined by SDS-PAGE.

Formulation:
The GRP94 protein solution (1mg/ml) contains 20mM Tris-HCl, pH-8, 1mM EDTA, 0.1M NaCl, 1mM DTT and 10% Glycerol.

Stability:
Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA).Avoid multiple freeze-thaw cycles.

Usage:
NeoBiolab's products are furnished for LABORATORY RESEARCH USE ONLY. The product may not be used as drµgs, agricultural or pesticidal products, food additives or household chemicals.

Introduction:
HSP90B1 is an abundant molecular chaperone resident endoplasmic reticulum (ER) lumenal stress protein which is part of the Hsp90 family. HSP90B1 is involved in maintaining protein homeostasis in the secretory pathway as well as functioning in the intracellular trafficking of peptides from the extracellular space to the MHC class I antigen processing pathway of antigen presentation cells. HSP90B1 has key roles in signal transduction, protein folding, protein degradation, and morphologic evolution. HSP90B1 protein associates with numerous cochaperones and involved in folding of newly synthesized proteins or stabilizing and refolding denatured proteins after stress.HSP90B1 is highly expressed in human gastric carcinoma BGC-823 cells during the whole cell cycle.

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