

Hsp27 Human, Recombinant, *E.coli*

Cat. No. HSP0503
Cat. No. HSP0553

Size : 1 mg
Size : 100 μ g

Description: Hsp27 (also known as the Estrogen-Regulated 24K protein, and hsp 28) is a member of the mammalian small heat shock protein family. Hsp27 is expressed constitutively in many tissues and its expression is increased to high levels after various types of stress including elevated temperatures, toxic metals, drugs and oxidants. Also, Hsp27 is phosphorylated in vivo on three phosphorylation sites (Ser15, Ser78 and Ser82) by protein kinases including MAPKAP kinase 2 and the stress-activated protein kinase SAPK2 (p38). Recombinant human Hsp27 was overexpressed in *E. coli* and purified by conventional chromatography.

Form: Liquid. In 20 mM Hepes (pH 7.5), 1 mM DTT, 100 mM KCl

Molecular Weight: 22.7 kDa (205 amino acids)

Purity: \geq 95% by SDS PAGE

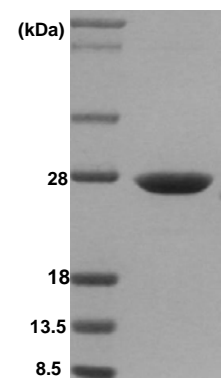
Concentration : 1 mg/ml

Sequence: MTERRVPFSL LRGPSWDPFR DWYPHSRLFD QAFGLPRLPE EWSQWLGGSS WPGYVRPLPP
AAIESPAVAA PAYSRLSRQ LSSGVSEIRH TADRWRVSLD VNHFAPDELTKTKDGVVEI
TGKHEERQDE HGYISRCFTR KYTLPPGVDP TQVSSLSPE GTLTVEAPMP KLATQSNEIT
IPVTFESRAQ LGGPEAAKSD ETAAK

General References :

Ehrnsperger M., *et al.* (1997) *EMBO J.* **16**, 221-229
Butt E., *et al.* (2001) *J. Biol. Chem.* **276**, 7108-7113

Storage : Store at -20 °C. Avoid freeze/thaw cycles



15% SDS-PAGE

WARNING: THIS PRODUCT IS NOT INTENDED OR APPROVED FOR HUMAN, DIAGNOSTICS OR VETERINARY USE. USE OF THIS PRODUCT FOR HUMAN OR ANIMAL TESTING IS EXTREMELY HAZARDOUS AND MAY RESULT IN DISEASE, SEVERE INJURY, OR DEATH.