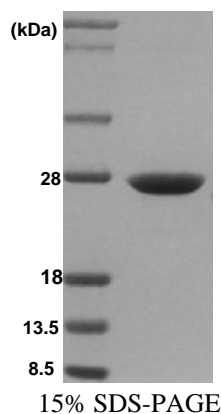


Product: Hsp27 Human, Recombinant
Catalog #: 01-2239
Amount: 50 µg

SOURCE: Recombinant, E. coli
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.

AA Sequence:

MTERRVPFSL LRGPSWDPFR DWYPHSRLFD QAFGLPRLPE
EWSQWLGSS WPGYVRPLPP AAIESPAVAA PAYSRALSRQ
LSSGVSEIRH TADRWRVSLD VNHFAPDELTKTKDGVVEI
TGKHEERQDE HGYISRCFTR KYTLPPGVDP TQVSSSLSPE
GTLTVEAPMP KLATQSNEIT IPVTFESRAQ LGGPEAAKSD
ETAAK



PURITY: ≥ 95% by SDS PAGE
MOLECULAR WEIGHT: 22.7 kDa (205 amino acids)
CONCENTRATION: 1mg/ml
PRESENTATION: Purified, 20 mM Hepes (pH 7.5), 1 mM DTT, 100 mM KCl
STORAGE/STABILITY: -20°C (aliquot), Avoid repeated freeze and thaw cycles.

Reference:

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

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