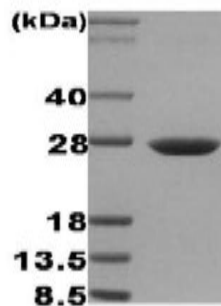


HSPB1

Recombinant Human HSP27

Catalog No.	CSI15618A CSI15618B	Quantity:	100 µg 500 µg
Alternate Names:	CMT2F, DKFZp586P1322, HMN2B, HS.76067, HSP27, HSP28, Hsp25, SRP27, estrogen-regulated 24 kDa protein, heat shock 27kD protein 1, heat shock protein beta-1, stress-responsive protein 27		
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 <i>E. coli</i> and purified by conventional chromatography.		
Concentration:	1 mg/ml (determined by Bradford assay)		
GeneID:	3315		
Source:	<i>E. coli</i>		
Molecular Weight:	22.7kDa (205aa), confirmed by MALDI-TOF.		
Formulation:	Liquid. In 20 mM HepesI buffer (pH 7.5) containing 100 mM KCl, 1 mM DTT		
Purity:	> 95% by SDS - PAGE		
Endotoxin Level:	< 1.0 EU per 1 microgram of protein (determined by LAL method)		
Amino Acid Sequence:	MTERRVPFSL LRGPSWDPFR DWYPHSRLFD QAFGLPRLPE EWSQWLGGSS WPGYVRPLPP AAIESPAVAA PAYSRALSRQ LSSGVSEIRH TADRWVRVSLD VNHFAPELDT VKTKDGVVEI TGKHEERQDE HGYISRCFTR KYTLPPGVDP TQVSSSLSPE GTLTVEAPMP KLATQSNEIT IPVTFESRAQ LGGPEAAKSD ETAAK		
Storage & Stability:	Can be stored at +4C short term (1-2 weeks). For long term storage, aliquot and store at -20C or -80C. Avoid repeated freezing and thawing cycles.		





15% SDS-PAGE (3ug)

NOT FOR HUMAN USE. FOR RESEARCH ONLY. NOT FOR DIAGNOSTIC OR THERAPEUTIC USE.



Cell Sciences®
480 Neponset Street
Bldg 12A
Canton, MA 02021

Toll Free: 888-769-1246
Phone: 781-828-0610
Fax: 781-828-0542

E-mail: info@cellsciences.com
Website: www.cellsciences.com