

Hsp27 recombinant protein

Hsp27, 1-205aa, Human, E Coli

CATALOG # AAA48442	HOST E Coli	APPLICATIONS SDS-Page
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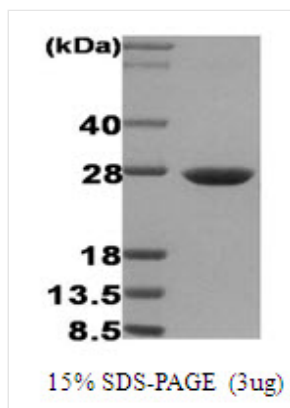
PRODUCT SYNONYMS

Hsp27; 1-205aa; Human; E Coli; Heat shock 27 kDa protein; Hspb1; Hsp25; HspB1; HSP 27; Growth-related 25 kDa protein; P25; HSP25; Heat shock protein beta-1; Heat shock 27 kDa protein 28 kDa heat shock protein; CMT2F; DKFZp586P1322; Estrogen regulated 24 kDa protein; at shock 25kDa protein 1; Heat shock 27kDa protein 1; Heat shock 28kDa protein 1; Heat Shock Protein 27; Heat shock protein beta 1; Heat Shock Protein27; HS.76067; Hsp 28; Hsp B1; Hsp28; SRP27; Stress responsive protein 27.; Hsp27 recombinant protein

PRODUCT SPECIFICATIONS

Host	E Coli
Purity/Purification	> 95% by SDS-PAGE
Form/Format	Liquid. In 20 mM HepesI buffer (pH 7.5) containing 100 mM KCl, 1 mM DTT
Concentration	1 mg/ml (determined by Bradford assay) (varies by lot)
Sequence	MTERRVPFSL LRGPSWDPFR DWYPHSRLFD QAFGLPRLPE EWSQWLGGSS WPGYVRPLPP AAIESPAVAA PAYSRALSRQ LSSGVSEIRH TADRWRVSLD VNHFAPELDT VKTKDGVVEI TGKHEERQDE HGYISRCFTR KYTLPPGVDP TQVSSSLSPE GTLTVEAPMP KLATQSNEIT IPVTFESRAQ LGGPEAAKSD ETAAK
Sequence Length	205
Applicable Applications for Hsp27 recombinant protein	SDS-PAGE
Antigen Species	Human
Endotoxin Level	< 1.0 EU per 1 microgram of protein (determined by LAL method)
Preparation and Storage	Can be stored at 4 degree C short term (1-2 weeks). For long term storage, aliquot and store at -20 degree C or -70 degree C. Avoid repeated freezing and thawing cycles.

IMAGES



SDS-PAGE

ADDITIONAL INFORMATION

Related Product Information for Hsp27 recombinant protein	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.
Product Categories/Family for Hsp27 recombinant protein	Heat Shock Proteins
References	Ehrnsperger M.,et al. (1997) EMBO J. 16, 221-229; Butt E., et al. (2001) J. Biol. Chem. 276, 7108-7113;

NCBI AND UNIPROT INFORMATION

NCBI GI #	4504517
NCBI GeneID	3315
NCBI Accession #	NP_001531
NCBI GenBank Nucleotide #	NM_001540.4
UniProt Accession #	P04792; Q6FI47; Q96C20; Q96EI7; Q9UC31; Q9UC34; Q9UC35; Q9UC36; B2R4N8
Molecular Weight	22.7kDa (205aa), confirmed by MALDI-TOF.
NCBI Official Full Name	heat shock protein beta-1
NCBI Official Synonym Full Names	heat shock protein family B (small) member 1
NCBI Official Symbol	HSPB1
NCBI Official Synonym Symbols	CMT2F; HMN2B; HSP27; HSP28; Hsp25; SRP27; HS.76067; HEL-S-102
NCBI Protein Information	heat shock protein beta-1
UniProt Protein Name	Heat shock protein beta-1
UniProt Gene Name	HSPB1
UniProt Synonym Gene Names	HSP27; HSP28; HspB1; HSP 27; SRP27

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.