

HSP27, 1-205aa, Human, His tag, E.coli

Cat.NO.: TP02520

3th Edition

Synonyms:Heat shock protein beta-1, CMT2F, HMN2B, Hsp25

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).

Form:Liquid. In 20 mM Tris-HCl buffer (pH8.0) containing 1mM DTT 10% glycerol

Molecular Weight:24.9 kDa (225aa)

Sequences:

MGSSHHHHHHSSGLVPRGSHMTERRVPFSLLRGPSWDPF RDWYPHSRLFDQAFGLPRLPEEWSQWLGGSSWP
GYVRPLPPAAIESPAVAAPAYSRLSRQLSSGVSEIRHTADRWVRVSLDVNHFAPDELT VKTKDGVVEITGKHEERQ
DEHGYISRCFTRKYTLPPGVDPTQVSSSLSP EGTLTVEAPMPK LATQSNEITIPVTFESRAQLGGPEAAKSDETA AK

Purity:> 95% by HPLC

Concentration:1 mg/ml (determined by Bradford assay)

Endotoxin Level:<1.0 EU per 1 ug of protein (determined by LAL method)

Storage:Can be stored at +4°C short term (1-2 weeks). For long term storage, aliquot and store at -20°C or -70°C. Avoid repeated freezing and thawing cycles.