

## 32-13811: HSP27 Mouse

**Format :** The HSP27 protein solution (1mg/ml) contains 20mM Tris-HCl (pH8.0), 10% glycerol and 1mM DTT.

**Alternative Name :** HSPB1, CMT2F, HMN2B, HSP27, HSP28, HSP25, Heat shock protein beta-1, Heat shock 27 kDa protein, Stress-responsive protein 27, SRP27, HS.76067, DKFZp586P1322.

### Description

Source: Escherichia Coli.

Physical Appearance: Sterile Filtered colorless solution.

Biological Activity: null

HSP27 or Estrogen-Regulated 24K protein is a part of the mammalian small heat shock protein family. The protein is expressed constitutively in many tissues and its expression is increased to high levels after different types of stress including high temperatures, toxic metals, drugs and oxidants. Furthermore, 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).

HSP27 Mouse Recombinant produced in E. Coli is a single, non-glycosylated polypeptide chain containing 232 amino acids (1-209 a.a) and having a molecular mass of 25.4kDa. HSP27 is fused to a 23 amino acid His-tag at N-terminus & purified by proprietary chromatographic techniques.

### Product Info

**Amount :** 10 µg / 2 µg

**Purification :** Greater than 90.0% as determined by SDS-PAGE.

**Storage condition :** Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Avoid multiple freeze-thaw cycles.

**Amino Acid :** MGSSHHHHHH SGLVPRGSH MGSMTERRVP FSLLRSPSWE PFRDWYPAHS RLFQAFGVP  
RLPDEWSQWF SAAGWPGYVR PLPAATAEGP AAVTLAAPAF SRALNRQLSS GVSEIRQTAD  
RWRVSLDVNH FAPEELTVKT KEGVVEITGK HEERQDEHGY ISRCFTRKYT LPPGVDPTLV SSSLSPEGLT  
TVEAPLPKAV TQSAEITIPV TFEARAQIGG PEAGKSEQSG AK.