

### 32-5344: Recombinant Human Heat Shock 27kDa Protein 3

**Alternative Name :** Heat shock 27kDa protein 3,HSPL27,Protein 3,HSP 17,DHMN2C,HMN2C,heat shock protein beta-3,HspB3.

#### Description

Source : E.coli. HSPB3 Human Recombinant produced in E.coli is a single, non-glycosylated polypeptide chain containing 170 amino acids (1-150) and having a molecular mass of 19.1 kDa. The HSPB3 is fused to a 20 amino acid His-Tag at N-terminus and purified by proprietary chromatographic techniques. HSPB3 is a muscle-specific small heat shock protein which is expressed specially in heart and skeletal muscle. Mammalian small heat shock proteins (sHSP) are highly expressed proteins with varied roles, including the assembly and impounding of multi-protein complexes, transportation of nascent polypeptide chains thru cellular membranes and regulation of protein folding. HSPB3 perform as an ATP-dependent chaperone protein which takes part in the refolding of denatured proteins and inhibition of actin polymerization.

#### Product Info

**Amount :** 20 µg  
**Purification :** Greater than 85% as determined by SDS-PAGE.  
**Content :** The HSPB3 solution (1mg/ml) contains 20mM Tris-HCl buffer (pH 8.0), 1M Urea and 5% glycerol.  
**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 SSGLVPRGSH MAKIILRHLI EIPVRYQEEF EARGLEDCL DHALYALPGP  
TIVDLRKTRA AQSPVDSAA ETPPREGKSH FQILLDVVQF LPEDIIIQTF EGWLLIKAQH  
GTRMDEHGF I SRSFTRQYKL PDGVEIKDLS AVLCHDGILV VEVKDPVGTK

