

32-5347: Recombinant Human Heat Shock 22 kDa Protein-8, His Tag

Alternative Name : HSPB8,H11,HMN2,CMT2L,DHMN2,E2IG1,HMN2A,HSP22,Heat shock protein beta-8,Alpha-crystallin C chain,Small stress protein-like protein HSP22,E2-induced gene 1 protein,Protein kinase H11,CRYAC.

Description

Source : Escherichia Coli. HSPB8 Human Recombinant produced in E.Coli is a single, non-glycosylated polypeptide chain containing 216 amino acids (1-196 a.a.) and having a molecular mass of 23.7kDa. The HSPB8 is fused to a 20 amino acid His Tag at N-terminus and purified by conventional chromatography. HSPB8 is part of the superfamily of small heat-shock proteins containing a conservative alpha-crystallin domain at the C-terminal part of the molecule. HSPB8 is induced by estrogen in estrogen receptor-positive breast cancer cells. HSPB8 protein functions as a chaperone in association with BAG3, a stimulator of macroautophagy. HSPB8 participates in the regulation of cell proliferation, apoptosis, and carcinogenesis. Mutations in HSPB8 gene have been related with different neuromuscular diseases, including Charcot-Marie-Tooth disease.

Product Info

Amount : 10 µg
Purification : Greater than 95.0% as determined by SDS-PAGE.
Content : The HSPB8 protein solution contains 20mM Tris-HCl pH-8, 100mM NaCl, and 10% 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 MADGQMPFSC HYP SRLRRDP FRDSPLSSRL LDDGFGMDPF
PDDL TASWPD WALPRLSSAW PGTLRSGMVP RGPTATARFG VPAEGRTPPP FPGEPWKVCV
NVHSFKPEEL MVKTKDGYVE VSGKHEEKQQ EGGIVSKNFT KKIQLPAEVD PVTVFASLSP
EGLLIEAPQ VPPYSTFGES SFNNELPQDS QEVTCT.

