

HSPB8/HSP22, 1-196aa, Human, His tag, E.coli

Cat.NO.: TP02537

3th Edition

Synonyms:Heat shock protein beta-8, CRYAC, E2IG1, CMT2L, DHMN2, HMN2, HMN2A

Description:Heat shock protein beta-8 (HSPB8), also known as HSP22, member of the small heat shock protein superfamily. HSPB8 is predominantly transcribed in skeletal muscle and heart. The chaperone-like activity is of great importance to the function of HSPB8 in various processes including proliferation, apoptosis and macroautophagy. Mutations in the HSPB8 gene are associated with the inherited peripheral neuropathies, autosomal dominant distal hereditary motor neuropathy type IIA (dSMA) and axonal Charcot-Marie-Tooth disease type 2L (CMT2L).

Form:Liquid. In 20mM Tris-HCl buffer (pH 8.0) containing 100mM NaCl, 10% glycerol

Molecular Weight:23.7 kDa (216aa)

Sequences:

MGSSHHHHHHSSGLVPRGSHMADGQMPFSCHYPSRLRRDPFRDSPLSSRLDDGFGMDPFPDDLTA SWPDWAL
PRLSSAWPGTLRSGMVPRGPTATARFGVPAEGRTPPFPGE PWKVCNVVHSFKPEELMVKTKDGYVEVSGKHEE
KQEGGIVSKNFTKKIQLPAEVD PVTVFASLSPEGLLIIEAPQVPPYSTFGESSFNNELPQDSQEVTCT

Purity:> 95% by HPLC

Concentration:0.5 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.