

HSPB7, 1-170aa, Human, His tag, E.coli

Cat.NO.: TP02536

3th Edition

Synonyms:Heat shock protein beta-7, cvHSP, DKFZp779D0968, FLJ32733

Description:HSPB7 is a member of HSPB (Heat shock protein beta) family. The HSPB family is one of the more diverse families within the group of HSP families. Some members have chaperone-like activities and/or play a role in cytoskeletal stabilization. Some members also show a dynamic, stress-induced translocation to SC35 splicing speckles. HSPB7 constitutively localized to SC35 splicing speckles, driven by its N-terminus. Unlike HSPB1 and HSPB5, that chaperoned heat unfolded substrates and kept them folding competent, HSPB7 did not support refolding.

Form:Liquid. In 20mM Tris-HCl buffer (pH8.0) containing 200mM NaCl,2mM DTT, 50% glycerol

Molecular Weight:20.7kDa (190aa), confirmed by MALDI-TOF

Sequences:

MGSSHHHHHSSGLVPRGSHMSHRTSSTFRAERSFHSSSSSSSSSTSSSASRALPAQDPPMEKALSMFSDDFGS
FMRPHSEPLAFPARPGGAGNIKTLGDAYEFAVDVDRDFSPEDIIVTTSNNHIEVRAEKLAADGTVMNTFAHKCQLPED
VDPTSVTSALREDGSLTIRARRHPHTEHVQQTFRTEIKI

Purity:> 95% by HPLC

Concentration:0.25 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.