

Recombinant human HSPB7 protein

Catalog Number: ATGP0511

PRODUCT INFORMATION

Expression system

E.coli

Domain

1-170aa

UniProt No.

Q9UBY9

NCBI Accession No.

NP_055239

Alternative Names

Heat shock protein beta-7, cvHSP, DKFZp779D0968, FLJ32733, Heat shock protein beta-7 cvhsp, Heat shock 27kda protein family member 7, Heat shock protein beta 7, hspb7, Hypothetical protein flj34956.

PRODUCT SPECIFICATION

Molecular Weight

20.7 kDa (190aa) confirmed by MALDI-TOF

Concentration

0.25mg/ml (determined by Bradford assay)

Formulation

Liquid in. 20mM Tris-HCl buffer (pH 8.0) containing 200mM NaCl, 2mM DTT, 50% glycerol

Purity

> 85% by SDS-PAGE

Tag

His-Tag

Application

SDS-PAGE

Storage Condition

Can be stored at +2C to +8C for 1 week. For long term storage, aliquot and store at -20C to -80C. Avoid repeated freezing and thawing cycles.

BACKGROUND

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

Recombinant human HSPB7 protein

Catalog Number: ATGP0511

refolding. Recombinant HSPB7 protein was expressed in E. coli and purified by using conventional chromatography techniques.

Amino acid Sequence

MGSSHHHHHH SGLVPRGSH MSHRTSSTFR AERSFHSSSS SSSSSTSSSA SRALPAQDPP MEKALSMFSD DFGSFMRPHS
EPLAFPARPG GAGNIKTLGD AYEFVDVDR FSPEDIIVTT SNNHIEVRAE KLAADGTVMN TFAHKCQLPE DVDPTSVTSA
LREDGSLTIR ARRHPTTEHV QQTFRTEIKI

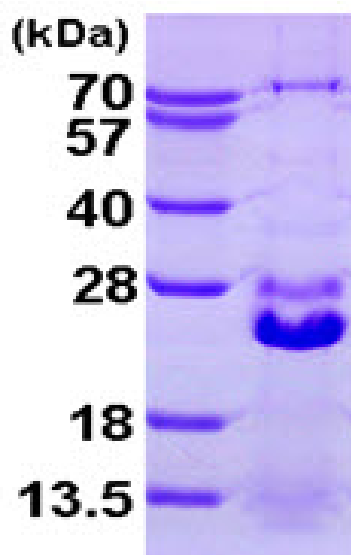
General References

VOS MJ., et al. (2009) Biochim Biophys Acta. 1793(8):1343-53.

Matkovich SJ, et al. (2010) J Clin Invest. 120(1):280-9

DATA

SDS-PAGE



3ug by SDS-PAGE under reducing condition and visualized by coomassie blue stain.

15% SDS-PAGE (3ug)