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Recombinant human HSPB3 protein

Catalog Number: ATGP1202

PRODUCT INFORMATION

Expression system

E.coli

Domain

1-150aa

UniProt No.

012988

NCBI Accession No.

NP 006299

Alternative Names

Heat shock protein beta-3, DHMN2C, HMN2C, HSPL27

PRODUCT SPECIFICATION

Molecular Weight

19.1 kDa (170aa)

Concentration

1mg/ml (determined by Bradford assay)

Formulation

Liquid in. 20mM Tris-HCl buffer (pH 8.0) 5% glycerol, 1M urea.

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

HSPB3, also known as HSPL27, is a muscle-specific small heat shock protein. It is expressed preferentially in heart and skeletal muscle. Mammalian small heat shock proteins (sHSP) is a abundantly expressed proteins with diverse functions, including the assembly and sequestering of multi-protein complexes, transportation of nascent polypeptide chains across cellular membranes and regulation of protein folding. HSPB3 functions as an ATP-dependent chaperone protein that plays a role in the refolding of denatured proteins and may also Inhibitor of actin polymerization.



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Amino acid Sequence

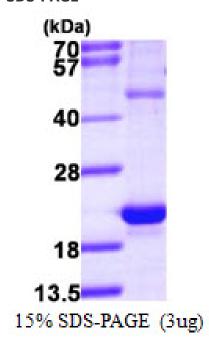
MGSSHHHHHH SSGLVPRGSH MAKIILRHLI EIPVRYQEEF EARGLEDCRL DHALYALPGP TIVDLRKTRA AQSPPVDSAA ETPPREGKSH FQILLDVVQF LPEDIIIQTF EGWLLIKAQH GTRMDEHGFI SRSFTRQYKL PDGVEIKDLS AVLCHDGILV VEVKDPVGTK

General References

Fontaine JM., et al. (2005) Biochem Biophys Res Commun. 337(3):1006-11. Suqiyama Y., et al. (2000) J Biol Chem. 275(2):1095-104.

DATA

SDS-PAGE



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

