9051 Mira Mesa Blvd, #910094
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HSPB3 Human

Heat Shock 27kDa Protein 3 Human Recombinant
RCP1086

Product Overview

Name	HSPB3 Human

Description

Heat Shock 27kDa Protein 3 Human Recombinant

Accession (Primary)	Q12988

Synonyms

Heat shock 27kDa protein 3, HSPL27, Protein 3, HSP 17, DHMN2C, HMN2C, heat shock protein beta-3, HspB3.

Introduction

HSPB3 is a muscle-specific small heat shock protein which is expressed specially in heart and skeletal muscle. Mammalian small heat shock proteins (sHSP) are highly expressed proteins with varied roles, including the assembly and impounding of multi-protein complexes, transportation of nascent polypeptide chains thru cellular membranes and regulation of protein folding. HSPB3 perform as an ATP-dependent chaperone protein which takes part in the refolding of denatured proteins and inhibition of actin polymerization.

Source

E.coli.

Physical Appearance

Sterile Filtered colorless solution.

Formulation

The HSPB3 solution (1mg/ml) contains 20mM Tris-HCl buffer (pH 8.0), 1M Urea and 5% glycerol.

Stability

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.

Purity

Greater than 85% as determined by SDS-PAGE.

Amino acid sequence

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

Precautions

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HSPB3 Human is for research use only and not for use in diagnostic or therapeutic procedures.

Target Information: (Q12988)