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HSPB8 Human, His

Heat Shock 22kDa Protein 8 Human Recombinant, His Tag
RCP1090

Product Overview

Name	HSPB8 Human, His

Description

Heat Shock 22kDa Protein 8 Human Recombinant, His Tag

Accession (Primary)	Q9UJY1

Synonyms

HSPB8, H11, HMN2, CMT2L, DHMN2, E2IG1, HMN2A, HSP22, Heat shock protein beta-8, Alpha-crystallin C chain, Small stress protein-like protein HSP22, E2-induced gene 1 protein, Protein kinase H11, CRYAC.

Introduction

HSPB8 is part of the superfamily of small heat-shock proteins containing a conservative alpha-crystallin domain at the C-terminal part of the molecule. HSPB8 is induced by estrogen in estrogen receptor-positive breast cancer cells. HSPB8 protein functions as a chaperone in association with BAG3, a stimulator of macroautophagy. HSPB8 participates in the regulation of cell proliferation, apoptosis, and carcinogenesis. Mutations in HSPB8 gene have been related with different neuromuscular diseases, including Charcot-Marie-Tooth disease.

Source

Escherichia Coli.

Physical Appearance

Sterile Filtered colorless solution.

Formulation

The HSPB8 protein solution contains 20mM Tris-HCl pH-8, 100mM NaCl, and 10% 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 95.0% as determined by SDS-PAGE.

Amino acid sequence

MGSSHHHHHH SSGLVPRGSH MADGQMPFSC HYPSRLRRDP FRDSPLSSRL LDDGFGMDPF PDDLTASWPD WALPRLSSAW PGTLRSGMVP RGPTATARFG VPAEGRTPPP FPGEPWKVCV NVHSFKPEEL MVKTKDGYVE VSGKHEEKQQ EGGIVSKNFT KKIQLPAEVD PVTVFASLSP EGLLIIEAPQ VPPYSTFGES SFNNELPQDS QEVTCT.

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Precautions

HSPB8 Human, His is for research use only and not for use in diagnostic or therapeutic procedures.

Target Information: (Q9UJY1)