
Product Data Sheet

Product Name: HSPB8 Human, His
 Cat. No.: GP25118
 Batch No.: 1

Product Data

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|---------------------|--|--------------------|-------------------------|
| Purity | >98% | Source | Escherichia Coli. |
| Physical Appearance | solid | Shipping Condition | Shipped with Ice Packs. |
| 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. | | |
| Amino Acid Sequence | MGSSHHHHHH SGLVPRGSH MADGQMPFSC HYP SRLRRDP FRDSPLSSRL LDDGFGMDPF PDDL T ASWPD WALPRLSSAW PGTLRSGMVP RGPTATARFG VPAEGRTPPP FPGEPWKVCV NVHSFKPEEL MVKTKDGYVE VSGKHEEKQQ EGGIVSKNFT KKIQLPAEVD PVTVFASLSP EGLLIIEAPQ VPPYSTFGES SFNNELPQDS QEVTCT. | | |
| Formulation | The HSPB8 protein solution contains 20mM Tris-HCl pH-8, 100mM NaCl, and 10% glycerol. | | |

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.

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.

Background

Caution: Product has not been fully validated for medical applications. For research use only.

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Address: 10292 Central Ave. #205, Montclair, CA, USA

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HSPB8 Human Recombinant produced in E.Coli is a single, non-glycosylated polypeptide chain containing 216 amino acids (1-196 a.a.) and having a molecular mass of 23.7kDa. The HSPB8 is fused to a 20 amino acid His Tag at N-terminus and purified by conventional chromatography.

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