Recombinant Human Heat Shock 22kDa Protein 8, His-tagged

Cat. No. HSPB8-2025H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant human HSPB8, fused to His-tag at N-terminus, was expressed in*E.coli*and purified by using conventional chromatography techniques, 23.7 kDa (216aa).
Species	Human
Source	E.coli
Description	Heat shock protein beta-8 (HSPB8), also known as HSP22, member of the small heat shock protein superfamily. HSPB8 is predominantly transcribed in skeletal muscle and heart. The chaperone-like activity is of great importance to the function of HSPB8 in various processes including proliferation, apoptosis and macroautophagy. Mutations in the HSPB8 gene are associated with the inherited peripheral neuropathies, autosomal dominant distal hereditary motor neuropathy type IIA (dSMA) and axonal Charcot-Marie-Tooth disease type 2L (CMT2L).
Form	Liquid. In 20mM Tris-HCl buffer (pH 8.0) containing 100mM NaCl, 10% glycerol.
Purity	> 95% by SDS - PAGE.
Concentration	0.5 mg/ml (determined by Bradford assay).
Sequences Of Amino Acids	MGSSHHHHHH SSGLVPRGSH MADGQMPFSC HYPSRLRRDP FRDSPLSSRL LDDGFGMDPF PDDLTASWPD WALPRLSSAW PGTLRSGMVPRGPTATARFG VPAEGRTPPP FPGEPWKVCV NVHSFKPEEL MVKTKDGYVE VSGKHEEKQQ

Tel: 1-631-559-9269 1-516-512-3133
Email: info@creative-biomart.com Fax: 1-631-938-8127
45-1 Ramsey Road, Shirley, NY 11967, USA

	EGGIVSKNFT KKIQLPAEVD PVTVFASLSPEGLLIIEAPQ VPPYSTFGES SFNNELPQDS QEVTCT.
Storage	Can be stored at +4°C short term (1-2 weeks). For long term storage, aliquot and store at -20°C or -70°C. Avoid repeated freezing and thawing cycles.

GENE INFORMATION

Gene Name	HSPB8 heat shock 22kDa protein 8 [Homo sapiens]
Synonyms	heat shock 22kDa protein 8; H11; HMN2; CMT2L; DHMN2; E2IG1; HMN2A; HSP22; HSPB8; E2-induced gene 1; protein kinase H11; heat shock protein beta-8; heat shock 27kDa protein 8; small stress protein-like protein HSP22; HspB8; CRYAC; Alpha-crystallin C chain; E2-induced gene 1 protein; Protein kinase H11; Small stress protein-like protein HSP22
Gene ID	26353
mRNA Refseq	NM_014365
Protein Refseq	NP_055180
MIM	608014
UniProt ID	Q9UJY1
Chromosome Location	12q24.23
Function	protein serine/threonine kinase activity; identical protein binding

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