# Recombinant Human HSPB8

## Catalog No: CH75

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| **Description** | Recombinant Human Heat shock protein beta-8 is produced by our E.coli expression system and the target gene encoding Met1-Thr196 is expressed with a 6His tag at the C-terminus. |
| **Source** | E. coli |
| **Alternative name** | Heat shock protein beta-8;HspB8;Alpha-crystallin C chain;E2-induced gene 1 protein;Protein kinase H11;Small stress protein-like protein HSP22;HSPB8;CRYAC;E2IG1;HSP22 |
| **Accession No.** | Q9UJY1 |
| **Formulation** | Supplied as a 0.2 μm filtered solution of 20mM PB,150mM NaCl,pH7.4. |
| **Quality Control** | Purity: Greater than 90% as determined by reducing SDS-PAGE.<br>Endotoxin: Less than 0.1 ng/μg (1 IEU/μg) as determined by LAL test. |
| **Shipping** | The product is shipped on dry ice/polar packs.<br>Upon receipt, store it immediately at the temperature listed below. |
| **Storage** | Store at < -20°C, stable for 6 months after receipt.<br>Please minimize freeze-thaw cycles. |
| **Amino Acid Sequence** | MADGQMPFSCHYPSRLRRDPFRDSPLSSRLLDDGFGMDPFPDDLTASWPDWALPRLSSAWPGTLRS GMVPRGPTATARFGVPAEGRTPPPFPGEPWKVCVNVHSFKPEELMVKTKDGYVEVSGKHEEKQQEG GIVSKNFTKKIQLPAEVDPVTVFASLSPEGLLIIEAPQVPPYSTFGESSFNNELPQDSQEVTCTLEHHHHH H |
| **Background** | Heat shock protein beta-8 (HSPB8) belongs to the small heat shock protein (HSP20) family. This protein can be inducted by 17-beta-estradiol, and is predominantly expressed in skeletal muscle and heat, mainly located in the cytoplasm and nucleus. HSPB8 usually exists in monomer, it can interact with HSPB1 and DNAJB6. HSPB8 displays temperature-dependent chaperone activity, appears to be involved in regulation of cell proliferation, apoptosis, and carcinogenesis, and mutations in this gene have been associated with different neuromuscular diseases, including Charcot-Marie-Tooth disease. |

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