# HSPB8
# Recombinant Human Heat Shock 22 kDa Protein 8

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| **Catalog No.** | CRH108A | **Quantity:** | 2 µg |
| | CRH108B | | 10 µg |
| | CRH108C | | 100 µg |

**Alternate Names:** 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.

**Description:** HSPB8 displays temperature-dependent chaperone activity. HSPB8 acts as a mn(2+)-dependent serine-threonine- specific protein kinase. we are not convinced that this is its true role. Defects in HSPB8 are a cause of distal hereditary motor neuropathy type ii (DHMN2) also known as distal spinal muscular atrophy (DSMA) and spinal muscular atrophy of the Charcot-Marie-Tooth type. it is an autosomal dominant disorder of lower motor neurons characterized by distal muscle weakness.

**GeneID:** 26353

**Source:** *E. coli*

**Formulation:** The HSPB8 protein was lyophilized from a concentrated (1 mg/ml) solution containing 20 mM Tris-acetate, pH-7.6 + 10 mM NaCl + 0.1 mM EDTA + 0.1 mM PMSF + 15 mM b-ME.

**Purity:** Greater than 95.0% as determined by SDS-PAGE.

**Immunological Activity:** Immunoreactivity is confirmed by reaction with monoclonal mouse antibodies against HSPB8.

**Physical Appearance:** Sterile Filtered White lyophilized (freeze-dried) powder.

**Solubility:** It is recommended to reconstitute the lyophilized HSPB8 in sterile 18 MΩ-cm $H_2O$ not less than 100µg/ml, which can then be further diluted to other aqueous solutions.

**Storage & Stability:** Lyophilized HSPB8 although stable at room temperature for 3 weeks, should be stored desiccated below -18°C. Upon reconstitution HSPB8 should be stored at 4°C between 2 -7 days and for future use below -18°C. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). **Please prevent freeze-thaw cycles.**

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