

HSPB6

Recombinant Human Heat Shock Protein 20

Catalog No.	CRH111A	Quantity:	2 µg
	CRH111B		10 µg
	CRH111C		100 µg

Alternate Names: Heat Shock Protein 20, HSP20.

Description: Hsp20 is a mammalian small heat-shock protein family that is found most copiously in skeletal muscle and heart. The heat-shock proteins seem to act as chaperones that can protect other proteins against heat-induced denaturation and aggregation. The Hsp20 family is characterized structurally by the presence of a conserved C-terminal domain of about 100 residues and contains a beta-sandwich fold consisting of 8 strands in 2 beta-sheets in a "Greek-key" topology. Hsp20 proteins have a tendency to form dimers, through a disulphide linkage formed by an N-terminal cysteine, low heat stability and a poor chaperoning ability in comparison with other family members.

Protein Accession No: 126393

Source: *E. coli*

Formulation: HSP20 lyophilized from 20 mM Tris-acetate, pH-7.6 + 10 mM NaCl 0.1 mM EDTA + 0.1 mM PMSF and 15 mM A-mercaptoethanol.

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

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

Immunological Activity: Immunoreactivity is confirmed by reaction with monoclonal mouse antibodies against HSP20.

Storage & Stability: Lyophilized HSP-20 although stable at room temperature for 3 weeks, should be stored desiccated below -20°C. Upon reconstitution HSP-20 should be stored at 2-4°C between 2-7 days and for future use below -20°C. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). **Please avoid freeze-thaw cycles.**

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