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32-5326: Recombinant Human Heat Shock Protein 20

Alternative Name : Heat Shock Protein 20,HSP20.

Description

Source : Escherichia Coli. Heat Shock Protein 20 Human Recombinant produced in E.Coli. 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.

Product Info

Amount :	10 µg
Purification :	Greater than 95.0% as determined by SDS-PAGE.
Content :	HSP20 lyophilized from 20mM Tris-acetate, pH-7.6, 10mM NaCl, 0.1mM EDTA, 0.1mM PMSF and 15mM b-mercaptoethanol.
Storage condition :	HSP20 although stable at 10°C for 2 weeks, should be stored desiccated 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.