



Product Datasheet

Product Name	Heat Shock Protein 20 Human Recombinant
Cata No	CB500765
Source	<i>Escherichia Coli.</i>
Synonyms	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. Heat Shock Protein 20 Human Recombinant produced in E.Coli.

Physical Appearance

Sterile Filtered White lyophilized (freeze-dried) powder.

Purity

Greater than 95.0% as determined by SDS-PAGE

Formulation

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

Stability

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.