

HSP20 Human

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

Catalog #:HYPS-027

Synonyms:Heat Shock Protein 20, HSP20.

For research use only.

Source:Escherichia 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 b-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.

Usage:

NeoBiolab's products are furnished for LABORATORY RESEARCH USE ONLY. The product may not be used as drugs, agricultural or pesticidal products, food additives or household chemicals.

Introduction:

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.

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