
Product Data Sheet

Product Name: HSP20 Human
Cat. No.: GP25096
Batch No.: 1

Product Data

Purity	>98%	Source	Escherichia Coli.
Physical Appearance	solid	Shipping Condition	Shipped at Room temp.
Synonyms	Heat Shock Protein 20; HSP20.		
Formulation	HSP20 lyophilized from 20mM Tris-acetate, pH-7.6, 10mM NaCl, 0.1mM EDTA, 0.1mM PMSF and 15mM b-mercaptoethanol.		

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 6 \times 6 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.

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.

Background

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

Caution: Product has not been fully validated for medical applications. For research use only.

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