
Product Data Sheet

Product Name: HSPB6 Human
 Cat. No.: GP25115
 Batch No.: 1

Product Data

Purity	>98%	Source	Escherichia Coli.
Physical Appearance	solid	Shipping Condition	Shipped with Ice Packs.
Synonyms	HeatShock Protein; Alpha-Crystallin-Related; B6; Heat Shock 20 KDa-Like Protein P20;Hsp20; Protein Phosphatase 1; Regulatory Subunit 91; Epididymis Luminal Protein55; Heat Shock Protein Beta-6; Protein Phosphatase 1; Regulatory Subunit 91; PPP1R91;HEL55; HspB6; Heat shock protein beta-6.		
Amino Acid Sequence	MGSSHHHHHH SGLVPRGSH MGSMEIPVP VQPSWLRRAS APLPGLSAPG RLFDQRFEGE LLEAELAALCPTTLAPYYLR APSVALPVAQ VPTDPGHFSV LLDVKHFSPE EIAVKVVEGH VEVHARHEER PDEHGFVAREFHRRYRLPPG VDPAAVTSAL SPEGVLSIQA APASAQAPPP AAAK.		
Formulation	HSPB6 protein solution (0.25mg/ml) containing Phosphatebuffered saline (pH7.4), 30% glycerol, 1mM DTT, 1mM EDTA and 0.1mM PMSF.		

Introduction

Heat shock protein beta-6, also known as HSPB6 is a member of the small heat shock protein (HSP20) family. This locus encodes a heat shock protein. HSPB6 plays a role in smooth muscle relaxation. Among the diseases which are associated with HSPB6: Cerebral hemorrhage and Cerebral amyloid angiopathy.

Stability

Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Avoid multiple freeze-thaw cycles.

Background

HSPB6 Human Recombinant produced in E.Coli is a single, non-glycosylated polypeptide chain containing 184 amino acids (1-160 a.a) and having a molecular mass of

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

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19.7kDa.HSPB6 is fused to a 24amino acid His-tag at N-terminus & purified by proprietary chromatographic techniques.

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