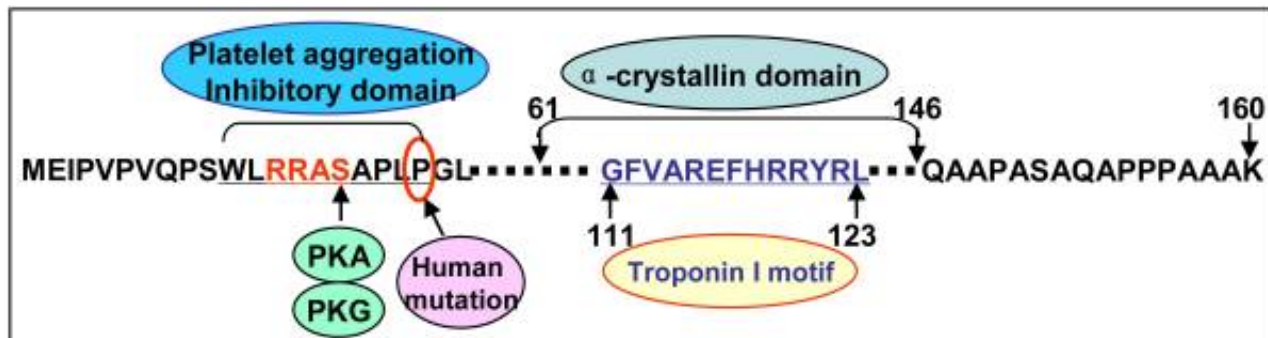


HSPB6

Recombinant Human Heat Shock Protein beta-6 (HSPB6)

Catalog No.	CRH107A CRH107B	Quantity:	10 µg 1.0 mg
Alternate Names:	Heat shock protein beta-6, HspB6, Heat shock 20 kDa-like protein p20, Heat shock protein family B member 6, Hsp20		
Description:	Heat shock protein beta-6 (HSPB6) is a member of the small heat shock protein (HSP20) family which functions as a molecular chaperone maintaining denatured proteins in a folding-competent state. HSPB6 plays a role in smooth muscle vasorelaxation and cardiac myocyte contractility. Overexpression mediates cardioprotection and angiogenesis after induced damage. Among the conditions associated with HSPB6 are cerebral hemorrhage and cerebral amyloid angiopathy.		
UniProt ID:	O14558		
Source:	<i>E. coli</i>		
Tag:	N-terminal His tag		
Concentration:	0.25 mg/ml		
Molecular Weight:	19.7 kDa (1-160 aa) + 24 amino acid His tag		
Formulation:	PBS, pH 7.4 containing 30% glycerol, 1mM DTT, 1mM EDTA and 0.1mM PMSF		
Purity:	> 95.0% as determined by SDS-PAGE.		
Amino Acid Sequence:	<u>MGSSHHHHHH</u> <u>SSGLVPRGSH</u> <u>MGSH</u> MEIPVP VQPSWL RRAS APLPGLSAPG RLFQRFEGEG LLEAELAALC PTTLAPYYLR APSVALPVAQ VPTDPGHFSV LLDVKHFSPE EIAVKVVEGH VEVHARHEER PDEH GFVARE FHRRYRL PPG VDPAAVTSAL SPEGVLSIQA APASAQAPPP AAK		
Storage & Stability:	Store at 2-8°C for immediate use within 2-4 weeks. and for future use below -20°C. For longer term, prepare aliquots and store at -20°C to -80°C. It is recommended to add a carrier protein (0.1% HSA or BSA). Avoid repeated freeze-thaw cycles.		

J Mol Cell Cardiol. 2011 Oct;51(4):574-7.



NOT FOR HUMAN USE. FOR RESEARCH ONLY. NOT FOR DIAGNOSTIC OR THERAPEUTIC USE.