

# Recombinant human HSP20/HSPB6 protein

Catalog Number: ATGP3008

## PRODUCT INFORMATION

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### Expression system

E.coli

### Domain

1-160aa

### UniProt No.

O14558

### NCBI Accession No.

NP\_653218

### Alternative Names

Heat shock protein family B (small) member 6, Heat shock protein beta-6, Heat shock 20 kDa-like protein p20, HEL55, Hsp20, PPP1R91

## PRODUCT SPECIFICATION

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### Molecular Weight

19.7 kDa (184aa) confirmed by MALDI-TOF

### Concentration

0.25mg/ml (determined by Bradford assay)

### Formulation

Liquid in. Phosphate-Buffered Saline (pH 7.4) containing 30% glycerol, 1mM DTT, 1mM EDTA, 0.1mM PMSF

### Purity

> 95% by SDS-PAGE

### Tag

His-Tag

### Application

SDS-PAGE

### Storage Condition

Can be stored at +2C to +8C for 1 week. For long term storage, aliquot and store at -20C to -80C. Avoid repeated freezing and thawing cycles.

## BACKGROUND

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### Description

HSPB6 also known as Heat shock protein beta-6. This locus encodes a heat shock protein. This protein likely plays a role in smooth muscle relaxation. Recombinant human HSPB6, fused to His-tag at N-terminus, was expressed in E. coli and purified by using conventional chromatography techniques.

### Amino acid Sequence

MGSSHHHHHH SGLVPRGSH MGSMEIPVP VQPSWLRRAS APLPGLSAPG RLFQDRFGEG LLEAELAALC PTTLAPYYLR

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APSVALPVAQ VPTDPGHFSV LLDVKHFSPE EIAVKVVGEGH VEVHARHEER PDEHGFVARE FHRRYRLPPG VDPAAVTSAL  
SPEGVLSIQA APASQAQPPP AAAK

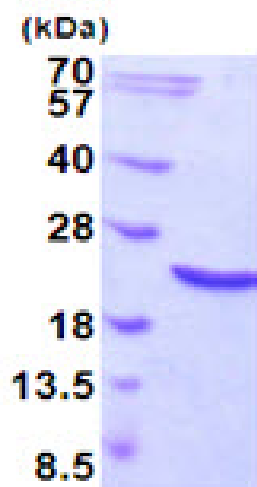
## General References

Sluchanko NN., et al. (2012) Biochemistry 51 (31), 6127-6138.

## DATA

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### SDS-PAGE



3ug by SDS-PAGE under reducing condition and visualized by coomassie blue stain.

15% SDS-PAGE (3ug)