

# Recombinant human HSPB9 protein

Catalog Number: ATGP1492

## PRODUCT INFORMATION

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### Expression system

E.coli

### Domain

1-159aa

### UniProt No.

Q9BQS6

### NCBI Accession No.

NP\_149971

### Alternative Names

Heat shock protein beta-9, CT51 (cancer/testis antigen 51)

## PRODUCT SPECIFICATION

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### Molecular Weight

19.6 kDa (179aa) confirmed by MALDI-TOF

### Concentration

0.25mg/ml (determined by Bradford assay)

### Formulation

Liquid in. 20mM Tris-HCl buffer (pH 8.0) containing 50% glycerol, 0.2M NaCl, 2mM DTT

### Purity

> 85% 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

HSPB9, also known as CT51, belongs to the small heat shock protein (HSP20) family. Localizing to the cytoplasm as well as the nucleus, HSPB9 is expressed specifically in the testis. Recombinant human HSPB9 protein, fused to His-tag at N-terminus, was expressed in E. coli and purified by using conventional chromatography.

### Amino acid Sequence

MGSSHHHHHH SGLVPRGSH MQRVGNTFSN ESRVASRCPS VGLAERNRVA TMPVRLLRDS PAAQEDNDHA  
RDGFQMKLDA HGFAPEELVV QVDGQWLMVT GQQQLDVRDP ERVSYRMSQK VHRKMLPSNL SPTAMTCCLT

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PSGQLWVRGQ CVALALPEAQ TGPSRLGSL GSKASNLTR

## General References

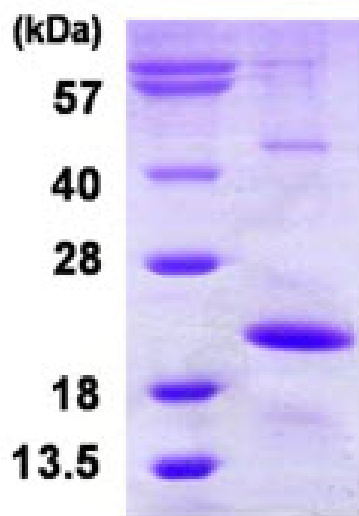
Vos M.J., et al. (2009) *Biochim. Biophys. Acta.* 1793:1343-1353

Kappe G., et al. (2001) *Biochim. Biophys. Acta.* 1520:1-6

## DATA

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### SDS-PAGE



15% SDS-PAGE (3ug)

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