

## HSPB9 cDNA

Catalog Number: ATGD0085

### PRODUCT INFORMATION

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**Catalog number**

ATGD0085

**Product type**

cDNA

**Species**

Human

**NCBI Accession No.**

NP\_149971.1

**Alternative Names**

CT51

**mRNA Refseq**

NM\_033194.2

**OMIM**

608344

**Chromosome location**

17q21.2

### PRODUCT SPECIFICATION

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**Formulation**

Lyophilized

**Storage**

Store the plasmid at -20C.

**cDNA Size**

480bp

**Preparation before usage**

1. Centrifuge at 7000rpm for 1 minute.
2. Carefully open the vial and add 100ul of sterile water to dissolve the DNA. Each tube contains approximately 10ug of lyophilized plasmid.

**Vector description**

This shuttle vector contains the complete ORF. It is inseted BamH I to Xho I. The gene insert contains multiple cloning sites which can be used to easily cut and transfer the gene and recombination site into your expression vector.

**Cloning Vector**

pATGen (puc19-derived cloning vector)

**General Description**

## HSPB9 cDNA

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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.

### DATA

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#### Sequence nucleotides

```
ATGCAGAGAG TCGGTAACAC CTTCTCCAAC GAGAGCCGGG TGGCATCCCG GTGTCCCAGC GTGGGCCTTG
CTGAACGGAA CCGGGTGGCC ACAATGCCGG TCGGGCTGCT CAGGGACAGT CCAGCGGCTC AGGAGGACAA
TGACCATGCC AGAGACGGTT TCCAAATGAA GCTGGATGCC CACGGCTTCG CCCC GGAGGA ACTGGTGGTG
CAGGTGGATG GCCAATGGCT GATGGTGACC GGACAGCAGC AACTGGACGT CAGGGACCCG GAAAGGGTCA
GTTACCGCAT GTCACAGAAG GTGCACCGGA AAATGCTCCC GTCCAACCTG AGTCCTACCG CCATGACCTG
CTGCCTGACC CCCTCCGGGC AGCTGTGGGT CAGAGGCCAG TGTGTGGCGC TGGCCCTCCC TGAAGCCAA
ACAGGACCGT CCCC GAGACT CGGGAGCCTC GGCTCTAAGG CTTCCAACCT GACCCGGTAA
```

#### Transaction Sequence

```
MQRVGNTFSN ESRVASRCPS VGLAERNRVA TMPVRLLRDS PAAQEDNDHA RDGFQMKLDA HGFAPPEELVV
QVDGQWLMVT GQQQLDVRDP ERVSYRMSQK VHRKMLPSNL SPTAMTCCLT PSGQLWVRGQ CVALALPEAQ
TGPSRRLGSL GSKASNLTR
```