

# Human HSP27/HSPB1/HSP 27 (His Tag) recombinant protein



Catalog Number: 501313

## General Information

### Gene Name Synonym

Heat-shock protein beta-2; cDNA FLJ77220, highly similar to Homo sapiens heat shock 27kDa protein 2 (HSPB2)

### Protein Construction

A DNA sequence encoding the human HSP27 (NP\_001532.1) (Met1-Lys205) was expressed with a C-terminal polyhistidine tag.

### Organism

Human

### Expression Host

E. coli

## QC Testing

### Purity

> 97 % as determined by SDS-PAGE

### Endotoxin

Please contact us for more information.

### Stability

Samples are stable for up to twelve months from date of receipt at -70°C

### Predicted N terminal

Met 1

### Molecular Mass

The recombinant human HSP27 consists of 211 amino acids and has a predicted molecular mass of 28 kDa as estimated by SDS-PAGE.

### Formulation

Lyophilized from sterile 20mM HEPES, 0.1M KCl, pH 7.5

1. 5 % trehalose and mannitol are added as protectants before lyophilization.

2. Please contact us for any concerns or special requirements.

## Usage Guide

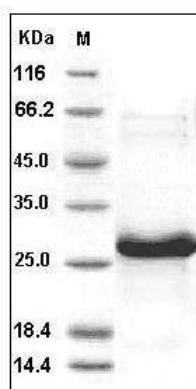
### Storage

Store it under sterile conditions at -20°C to -80°C. It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.

### Reconstitution

Adding sterile water, prepare a stock solution of 0.25 mg/ml. Concentration is measured by UV-Vis.

### SDS-PAGE



Human HSP27 / HSPB1 Protein (His Tag) SDS-PAGE