

**Product Name: Recombinant Human HspB2 (C-6His)**  
**Catalog #: PEH0780**



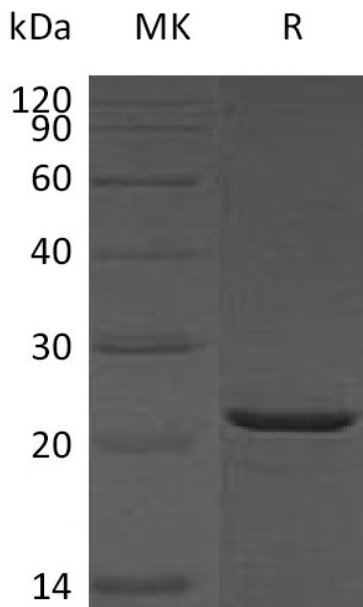
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## Summary

<b>Name</b>	Heat shock protein beta-2/HSPB2
<b>Purity</b>	Greater than 95% as determined by reducing SDS-PAGE
<b>Endotoxin level</b>	<1 EU/μg as determined by LAL test.
<b>Construction</b>	Recombinant Human Heat Shock Protein Beta-2 is produced by our E.coli expression system and the target gene encoding Met1-Pro182 is expressed with a 6His tag at the C-terminus.
<b>Accession #</b>	Q16082
<b>Host</b>	E.coli
<b>Species</b>	Human
<b>Predicted Molecular Mass</b>	21.3 KDa
<b>Formulation</b>	Lyophilized from a 0.2 μm filtered solution of 10mM Tris-HCl, 150mM NaCl, 1mM EDTA, pH 8.0.
<b>Shipping</b>	The product is shipped at ambient temperature. Upon receipt, store it immediately at the temperature listed below.
<b>Stability&amp;Storage</b>	Lyophilized protein should be stored at ≤ -20°C, stable for one year after receipt. Reconstituted protein solution can be stored at 2-8°C for 2-7 days. Aliquots of reconstituted samples are stable at ≤ -20°C for 3 months.
<b>Reconstitution</b>	Always centrifuge tubes before opening. Do not mix by vortex or pipetting. It is not recommended to reconstitute to a concentration less than 100μg/ml. Dissolve the lyophilized protein in distilled water. Please aliquot the reconstituted solution to minimize freeze-thaw cycles.

## SDS-PAGE image

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### **Alternative Names**

Heat shock protein beta-2;HspB2;DMPK-binding protein;MKBP;

### **Background**

Heat shock protein beta-2(HSPB2) is a protein that in humans is encoded by the HSPB2 gene. HSPB2 belongs to the superfamily of small heat-shock proteins containing a conservative alpha-crystallin domain at the C-terminal part of the molecule. It is expressed preferentially in the heart and skeletal muscle. HSPB2 has been shown to interact with TRAF6, HSPB8, Myotonic dystrophy protein kinase and CRYAB. HSPB2 regulates Myotonic Dystrophy Protein Kinase, which plays an important role in maintenance of muscle structure and function.

### **Note**

For Research Use Only , Not for Diagnostic Use.