

Datasheet for ABIN7548434  
**HSPB6 Protein (AA 1-160) (His tag)**



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## Overview

Quantity:	1 mg
Target:	HSPB6
Protein Characteristics:	AA 1-160
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This HSPB6 protein is labelled with His tag.
Application:	Western Blotting (WB), SDS-PAGE (SDS)

## Product Details

Purpose:	Custom-made recombinat HSPB6 Protein expressed in mammalian cells.
Sequence:	<p>MEIPVPVQPS WLRRASAPLP GLSAPGRLFD QRFGEGLLEA ELAALCPTTL APYYLRAPSV          ALPVAQVPTD PGHFSVLLDV KHFSPEEIAV KVVGEHVEVH ARHEERPDEH GFVAREFHRR          YRLPPGVDP AVTSALSPEG VLSIQAAPAS AQAPPPAAAK <b>Sequence without tag. The proposed Purification-Tag is based on experiences with the expression system, a different complexity of the protein could make another tag necessary. In case you have a special request, please contact us.</b></p>
Characteristics:	<p>Key Benefits:</p> <ul style="list-style-type: none"> <li>• Made to order protein - from design to production - by highly experienced protein experts.</li> <li>• Protein expressed in mammalian cells and purified in one-step affinity chromatography</li> <li>• The optimized expression system ensures reliability for intracellular, secreted and transmembrane proteins.</li> </ul>

## Product Details

- State-of-the-art algorithm used for plasmid design (Gene synthesis).

This protein is a made-to-order protein and will be made for the first time for your order. Our experts in the lab try to ensure that you receive soluble protein.

If you are not interested in a full length protein, please contact us for individual protein fragments.

The big advantage of ordering our made-to-order proteins in comparison to ordering custom made proteins from other companies is that there is no financial obligation in case the protein cannot be expressed or purified.

Purity:	> 90 % as determined by Bis-Tris Page, Western Blot
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Grade:	custom-made
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## Target Details

Target:	HSPB6
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Alternative Name:	HSPB6 ( <a href="#">HSPB6 Products</a> )
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Background:	<p>Heat shock protein beta-6 (HspB6) (Heat shock 20 kDa-like protein p20),FUNCTION: Small heat shock protein which functions as a molecular chaperone probably maintaining denatured proteins in a folding-competent state. Seems to have versatile functions in various biological processes. Plays a role in regulating muscle function such as smooth muscle vasorelaxation and cardiac myocyte contractility. May regulate myocardial angiogenesis implicating KDR. Overexpression mediates cardioprotection and angiogenesis after induced damage. Stabilizes monomeric YWHAZ thereby supporting YWHAZ chaperone-like activity.</p> <p>{ECO:0000269 PubMed:14717697, ECO:0000269 PubMed:19845507, ECO:0000269 PubMed:20843828, ECO:0000269 PubMed:22427880, ECO:0000305, ECO:0000305 PubMed:22794279}.</p>
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Molecular Weight:	17.1 kDa
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UniProt:	<a href="#">O14558</a>
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## Application Details

Application Notes:	In addition to the applications listed above we expect the protein to work for functional studies as well. As the protein has not been tested for functional studies yet we cannot offer a
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Application Details

	guarantee though.
Restrictions:	For Research Use only

Handling

Format:	Liquid
Buffer:	The buffer composition is at the discretion of the manufacturer.
Handling Advice:	Avoid repeated freeze-thaw cycles.
Storage:	-80 °C
Storage Comment:	Store at -80°C.
Expiry Date:	12 months