

## **Product datasheet for PH314718**

## OriGene Technologies, Inc.

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## HSPB2 (NM\_001541) Human Mass Spec Standard

**Product data:** 

**Product Type:** Mass Spec Standards

**Description:** HSPB2 MS Standard C13 and N15-labeled recombinant protein (NP\_001532)

Species:HumanExpression Host:HEK293

Expression cDNA Clone

RC214718

or AA Sequence: Predicted MW:

20.2 kDa

Protein Sequence: >RC214718 protein sequence

Red=Cloning site Green=Tags(s)

MSGRSVPHAHPATAEYEFANPSRLGEQRFGEGLLPEEILTPTLYHGYYVRPRAAPAGEGSRAGASELRLS EGKFQAFLDVSHFTPDEVTVRTVDNLLEVSARHPQRLDRHGFVSREFCRTYVLPADVDPWRVRAALSHDG

ILNLEAPRGGRHLDTEVNEVYISLLPAPPDPEEEEEAAIVEP

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Tag: C-Myc/DDK

**Purity:** > 80% as determined by SDS-PAGE and Coomassie blue staining

Concentration:  $>0.05 \mu g/\mu L$  as determined by microplate BCA method

Labeling Method: Labeled with [U- 13C6, 15N4]-L-Arginine and [U- 13C6, 15N2]-L-Lysine

**Buffer:** 25 mM Tris-HCl, 100 mM glycine, pH 7.3

**Storage:** Store at -80°C. Avoid repeated freeze-thaw cycles.

**Stability:** Stable for 3 months from receipt of products under proper storage and handling conditions.

**RefSeq:** NP 001532

RefSeq Size: 858 RefSeq ORF: 546

Synonyms: Hs.78846; HSP27; LOH11CR1K; MKBP

**Locus ID:** 3316

UniProt ID: <u>Q16082</u>, <u>A8KAH6</u>





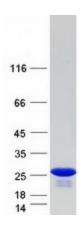
Cytogenetics:

11q23.1

**Summary:** 

The protein encoded by this gene belongs to the superfamily of small heat-shock proteins containing a conservative alpha-crystallin domain at the C-terminal part of the molecule. The protein is expressed preferentially in the heart and skeletal muscle. This protein regulates Myotonic Dystrophy Protein Kinase, which plays an important role in maintenance of muscle structure and function. [provided by RefSeq, Dec 2012]

## **Product images:**



Coomassie blue staining of purified HSPB2 protein (Cat# [TP314718]). The protein was produced from HEK293T cells transfected with HSPB2 cDNA clone (Cat# [RC214718]) using MegaTran 2.0 (Cat# [TT210002]).