

Product datasheet for **TP314718**

HSPB2 (NM_001541) Human Recombinant Protein

Product data:

Product Type: Recombinant Proteins

Description: Recombinant protein of human heat shock 27kDa protein 2 (HSPB2), 20 µg

Species: Human

Expression Host: HEK293T

**Expression cDNA Clone
or AA Sequence:** >RC214718 protein sequence
Red=Cloning site **Green**=Tags(s)

MSGRSVPHAHPATAEYEFANPSRLGEQRFEGELLPEEILTPTLYHGYYVRPRAAPAGEGSRAGASELRLS
EGKFQAFLDVSHFTPDEVTVRTVDNLLVVSARHPQRLDRHGFVSREFCRTYVLPADVDPWRVRAALSHDG
ILNLEAPRGGRHLDTEVNEVYISLLPAPPDPEEEEEAAIVP

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Tag: C-Myc/DDK

Predicted MW: 20.1 kDa

Concentration: >0.05 µg/µL as determined by microplate BCA method

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

Buffer: 25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol

Preparation: Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.

Note: For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process.

Storage: Store at -80°C.

Stability: Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.

RefSeq: [NP_001532](#)

Locus ID: 3316

UniProt ID: [Q16082](#), [A8KAH6](#)

RefSeq Size: 858



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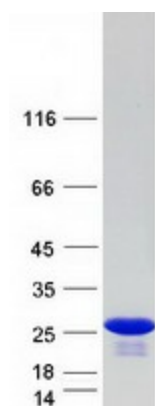
Cytogenetics: 11q23.1

RefSeq ORF: 546

Synonyms: Hs.78846; HSP27; LOH11CR1K; MKBP

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]).