

Product datasheet for SC303043

HSPB2 (NM_001541) Human Untagged Clone

Product data:

Product Type: Expression Plasmids

Product Name: HSPB2 (NM_001541) Human Untagged Clone

Tag: Tag Free
Symbol: HSPB2

Synonyms: Hs.78846; HSP27; LOH11CR1K; MKBP

Mammalian Cell

Selection:

Neomycin

Vector:pCMV6-Entry (PS100001)E. coli Selection:Kanamycin (25 ug/mL)

Fully Sequenced ORF: >SC303043 representing NM_001541.

Blue=Insert sequence Red=Cloning site Green=Tag(s)

GATCCGGTACCGAGGAGATCTGCCGCCGCGATCGCC

ATGTCGGGCCGCTCAGTGCCACATGCCCACCCGGCCACCGCCGAGTACGAATTTGCCAACCCGAGCCGC
CTGGGTGAGCAGCGCTTCGGAGAAGGCCTCCTGCCAGAAGAGATCCTGACCCCACACTCTACCATGGC
TACTATGTCCGGCCTCCGGGCCGCCCCAGCTGGGGAGGGCAGGGCAGGGGCCTCCGAGCTTAGGCTC
AGTGAGGGCAAGTTCCAGGCATTTCTGGATGTGAGCCACTTTACCCCAGACGAGGTGACTGTGAGGACT
GTGGATAACCTGCTGGAGGTGTCTGCCCGGCACCCCCAGCGCCTGGACCGCCACGGCTTCGTGTCCCGA
GAGTTCTGCCGCACCTATGTCCTGCCTGCTGATGTCGACCCCTGGCGAGTCCGAGCTGCTCTCCCCAT
GATGGCATCTTAAACCTGGAAGCACCTCGGGGTGGCCGACATTTGGACACAGAGGTCAATGAGGTCTAC
ATCTCCCTGCTCCCTGCCCCCCTCGATCCAGAGGAAGAGGAGGAGGCAGCCATAGTTGAGCCCTGA
ACGCCGTACGCGGCCCCCCCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGAT

TACAAGGATGACGACGATAAGGTTTAAACGGCCGGC

Restriction Sites: Sgfl-Mlul



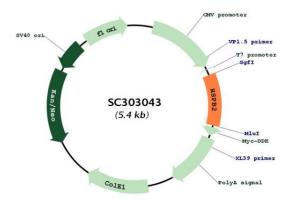
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Plasmid Map:



ACCN: NM_001541

Insert Size: 549 bp

OTI Disclaimer: Our molecular clone sequence data has been matched to the reference identifier above as a

point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative

RNA splicing form or single nucleotide polymorphism (SNP).

OTI Annotation: This TrueClone is provided through our Custom Cloning Process that includes sub-cloning

into OriGene's pCMV6 vector and full sequencing to provide a non-variant match to the expected reference without frameshifts, and is delivered as lyophilized plasmid DNA.

Components: The ORF clone is ion-exchange column purified and shipped in a 2D barcoded Matrix tube

containing 10ug of transfection-ready, dried plasmid DNA (reconstitute with 100 ul of water).



Reconstitution Method:

- 1. Centrifuge at 5,000xg for 5min.
- 2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.
- 3. Close the tube and incubate for 10 minutes at room temperature.
- 4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid

at the bottom.

5. Store the suspended plasmid at -20°C. The DNA is stable for at least one year from date of

shipping when stored at -20°C.

RefSeq: <u>NM 001541.3</u>

 RefSeq Size:
 858 bp

 RefSeq ORF:
 549 bp

 Locus ID:
 3316

 UniProt ID:
 Q16082

 Cytogenetics:
 11q23.1

 MW:
 20.2 kDa

Gene 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]