

Product datasheet for RC214718

HSPB2 (NM_001541) Human Tagged ORF Clone

Product data:

OriGene Technologies, Inc.

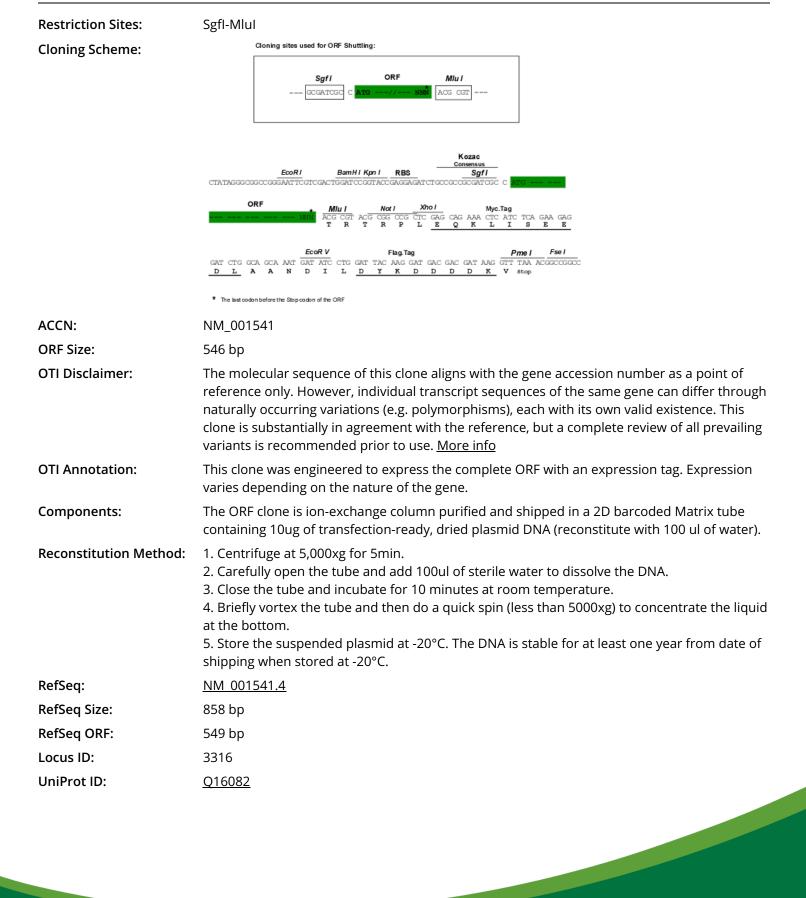
9620 Medical Center Drive, Ste 200 Rockville, MD 20850, US Phone: +1-888-267-4436 https://www.origene.com techsupport@origene.com EU: info-de@origene.com CN: techsupport@origene.cn

Product Type:	Expression Plasmids
Product Name:	HSPB2 (NM_001541) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	HSPB2
Synonyms:	Hs.78846; HSP27; LOH11CR1K; MKBP
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	<pre>>RC214718 ORF sequence Red=Cloning site Blue=ORF Green=Tags(s)</pre>
	TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC GCC <mark>GCGATCGC</mark> C
	ATGTCGGGCCGCTCAGTGCCACATGCCCACCGGCCACCGCCGAGTACGAATTTGCCAACCCGAGCCGCC TGGGTGAGCAGCGCTTCGGAGAAGGCCTCCTGCCAGAAGAGATCCTGACCCCCACACTCTACCATGGCTA CTATGTCCGGCCTCGGGCCGCCCCAGCTGGGGAGGGCAGCAGGGGCAGGGGCCTCCGAGCTTAGGCTCAGT GAGGGCAAGTTCCAGGCATTTCTGGATGTGAGCCACTTTACCCCAGACGAGGTGACTGTGAGGACTGTGG ATAACCTGCTGGAGGTGTCTGCCCGGCACCCCCAGCGCCTGGACCGCCACGGCTTCGTGTCCCGAGAGTT CTGCCGCACCTATGTCCTGCCTGCTGATGTCGACCCCTGGCGAGTCCGAGCTGCTCTCCCCATGATGGC ATCTTAAACCTGGAAGCACCTCGGGGTGGCCGACATTTGGACACAGAGGTCAATGAGGTCTACATCTCCC TGCTCCCTGCGCCTCCTGATCCAGAGGAAGAGGAAGAGGAGGCAGCCATAGTTGAGCCC
	ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT ACAAGGATGACGACGATAAG GTTTAA
Protein Sequence:	<pre>>RC214718 protein sequence Red=Cloning site Green=Tags(s)</pre>
	MSGRSVPHAHPATAEYEFANPSRLGEQRFGEGLLPEEILTPTLYHGYYVRPRAAPAGEGSRAGASELRLS EGKFQAFLDVSHFTPDEVTVRTVDNLLEVSARHPQRLDRHGFVSREFCRTYVLPADVDPWRVRAALSHDG ILNLEAPRGGRHLDTEVNEVYISLLPAPPDPEEEEEAAIVEP
	TRTRPLEQKLISEEDLAANDILDYKDDDDKV
Chromatograms:	https://cdn.origene.com/chromatograms/mk6460_a04.zip



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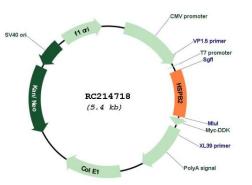
SCRIGENE HSPB2 (NM_001541) Human Tagged ORF Clone – RC214718



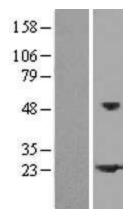
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	HSPB2 (NM_001541) Human Tagged ORF Clone – RC214718
Cytogenetics:	11q23.1
MW:	20.2 kDa
Gene Summary:	The protein encoded by this gene belongs to the superfamily of small heat-shock proteins containing a conservative alpha-crystallin domain at the 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]

Product images:

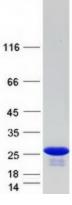


Circular map for RC214718



Western blot validation of overexpression lysate (Cat# [LY419871]) using anti-DDK antibody (Cat# [TA50011-100]). Left: Cell lysates from untransfected HEK293T cells; Right: Cell lysates from HEK293T cells transfected with RC214718 using transfection reagent MegaTran 2.0 (Cat# [TT210002]).

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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]).

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