

Product datasheet for RR214143

Hspe1 (NM_012966) Rat 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

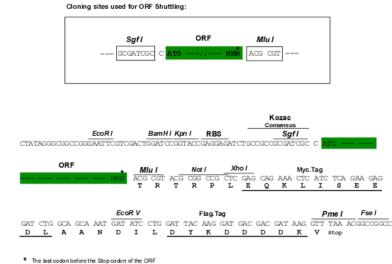
Product Type:	Expression Plasmids
Product Name:	Hspe1 (NM_012966) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Hspe1
Synonyms:	Cpn10
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin
ORF Nucleotide Sequence:	<pre>>RR214143 representing NM_012966 Red=Cloning site Blue=ORF Green=Tags(s)</pre>
	TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC GCC <mark>GCGATCGC</mark> C
	ATGGCTGGACAAGCTTTTAGGAAGTTTCTTCCGCTATTTGACAGAGTATTGGTTGAAAGGAGTGCCGCTG AAACTGTGACCAAAGGTGGCATTATGCTTCCAGAAAAGTCTCAAGGAAAAGTATTGCAAGCAA
	ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT ACAAGGATGACGACGATAAG GTTTAA
Protein Sequence:	<pre>>RR214143 representing NM_012966 Red=Cloning site Green=Tags(s)</pre>
	MAGQAFRKFLPLFDRVLVERSAAETVTKGGIMLPEKSQGKVLQATVVAVGSGGKGKGGEIQPVSVKVGDK VLLPEHGGTKVVLDDKDYFLFRDGDILGKYVD
	TRTRPLEQKLISEEDLAANDILDYKDDDDKV
Restriction Sites:	Sgfl-Mlul



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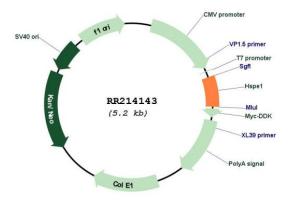


Cloning Scheme:



" The last codon before the Stop codon of the C

Plasmid Map:



ACCN:	
ORF Size:	
OTI Disclaimer:	

NM_012966

306 bp

The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. <u>More info</u>

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OTI Annotation:	This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
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:	 Centrifuge at 5,000xg for 5min. Carefully open the tube and add 100ul of sterile water to dissolve the DNA. Close the tube and incubate for 10 minutes at room temperature. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom. 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 012966.1, NP 037098.1</u>
RefSeq Size:	680 bp
RefSeq ORF:	309 bp
Locus ID:	25462
Cytogenetics:	9q31
MW:	10.9 kDa
Gene Summary:	stress-induced mitochondrial matrix protein and molecular chaperone [RGD, Feb 2006]

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