

## Product datasheet for **RR205514**

### Hikeshi (NM\_001013897) Rat Tagged ORF Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** Hikeshi (NM\_001013897) Rat Tagged ORF Clone  
**Tag:** Myc-DDK  
**Symbol:** Hikeshi  
**Synonyms:** l7Rn6  
**Vector:** pCMV6-Entry (PS100001)  
**E. coli Selection:** Kanamycin (25 ug/mL)  
**Cell Selection:** Neomycin  
**ORF Nucleotide Sequence:** >RR205514 representing NM\_001013897  
**Red=Cloning site Blue=ORF Green=Tags(s)**

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**GCGATCGCC**

ATGCTGGGAACAATCCCATTTCTGAGGGGATGGGAGGATCTGTCTACTTTTCTATCCTGATTCAAATG  
GGGTGCCAGTATGGCAGCTCCTAGGATTTGTACGAATGGGAAGCCAAGTCCATCTTCAAATATCAGG  
TCTTAAATCTGGAGAAGGAAGCCAGCACCCATTTGGAGCCATGAATATTGTGCGAACCCATCTGTTGCC  
CAGATTGGAATCTCGGTGGAGTTGTTGGACAGTTTGGCTCAGCAGACTCCCGTAGGCAGTGCCGCTGTGT  
CCTCGTTGACTCCTTCACACAGTTCACACAGAAGATGTTGGACAACCTTACAATTTTGCTTCATCATT  
TGCTCTCTCAGGCCAGATGACACCAAATCCATCGAAATGTTTCATCCAGCAAATGTGGTTCTGAAA  
TGGTATGAAAACCTTCAAAGACGACTAGCACAGAACCTCTCTTTTGGAAAACA

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA

**Protein Sequence:** >RR205514 representing NM\_001013897  
**Red=Cloning site Green=Tags(s)**

MLGTIPFPEGMGGSVYFSYPDSNGVPVWQLLGFVTNGKPSAIFKISGLKSGEGSQHPFGAMNIVRTPSVA  
QIGISVELLDSLAAQTPVGSAAVSSVDSFTQFTQKMLDNFYNFASSFALSAQMTPNPSEMFIPANVVLK  
WYENFQRRLAQNPLFWKT

**TR**TRPLEQKLISEEDLAANDILDYKDDDDKV

**Restriction Sites:** Sgfl-Mlul

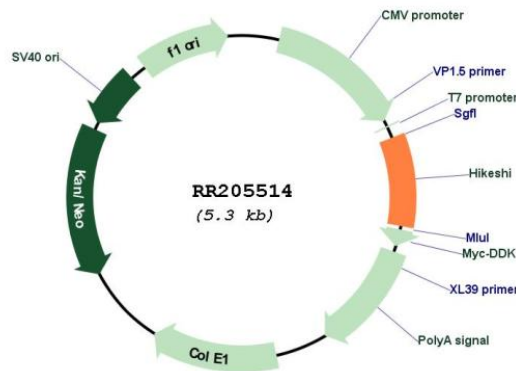


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## Cloning Scheme:



## Plasmid Map:



ACCN: NM\_001013897

ORF Size: 474 bp

OTI Disclaimer: 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. [More info](#)

OTI Annotation: This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.

<b>Components:</b>	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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"><li>1. Centrifuge at 5,000xg for 5min.</li><li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li><li>3. Close the tube and incubate for 10 minutes at room temperature.</li><li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li><li>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.</li></ol>
<b>RefSeq:</b>	<u>NM_001013897.1, NP_001013919.1</u>
<b>RefSeq Size:</b>	1124 bp
<b>RefSeq ORF:</b>	477 bp
<b>Locus ID:</b>	293103
<b>UniProt ID:</b>	<u>Q5M808</u>
<b>Cytogenetics:</b>	1q32
<b>MW:</b>	17.3 kDa
<b>Gene Summary:</b>	Acts as a specific nuclear import carrier for HSP70 proteins following heat-shock stress: acts by mediating the nucleoporin-dependent translocation of ATP-bound HSP70 proteins into the nucleus. HSP70 proteins import is required to protect cells from heat shock damages. Does not translocate ADP-bound HSP70 proteins into the nucleus (By similarity).[UniProtKB/Swiss-Prot Function]