

## Product datasheet for **RN205514**

### Hikeshi (NM\_001013897) Rat Untagged Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** Hikeshi (NM\_001013897) Rat Untagged Clone  
**Tag:** Tag Free  
**Symbol:** Hikeshi  
**Synonyms:** l7Rn6  
**Vector:** pCMV6-Entry (PS100001)  
**E. coli Selection:** Kanamycin (25 ug/mL)  
**Cell Selection:** Neomycin  
**Fully Sequenced ORF:** >RN205514 representing NM\_001013897  
Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGGATCGCC**

ATGCTGGGAACAATCCCATTTCTGAGGGGATGGGAGGATCTGTCTACTTTTCTATCCTGATTCAAATG  
GGGTGCCAGTATGGCAGCTCCTAGGATTTGTACGAATGGGAAGCCAAGTCCATCTTCAAATATCAGG  
TCTTAAATCTGGAGAAGGAAGCCAGCACCCATTTGGAGCCATGAATATTGTGCGAACCCCATCTGTTGCC  
CAGATTGGAATCTCGGTGGAGTTGTTGGACAGTTTGGCTCAGCAGACTCCCGTAGGCAGTGCCGCTGTGT  
CCTCGTTGACTCCTTCACAGTTCACACAGAAGATGTTGGACAACCTTACAATTTTGCTTCATCATT  
TGCTCTCTCAGGCCAGATGACACCAAATCCATCGAAATGTTTCATCCAGCAAATGTGGTTCTGAAA  
TGGTATGAAAACCTTCAAAGACGACTAGCACAGAACCTCTCTTTTGGAAAACA**TAA**

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA

**Restriction Sites:** SgfI-MluI  
**ACCN:** NM\_001013897  
**Insert Size:** 477 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).



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<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><a href="#">NM_001013897.1</a></u> , <u><a href="#">NP_001013919.1</a></u>
<b>RefSeq Size:</b>	1124 bp
<b>RefSeq ORF:</b>	477 bp
<b>Locus ID:</b>	293103
<b>UniProt ID:</b>	<u><a href="#">Q5M808</a></u>
<b>Cytogenetics:</b>	1q32
<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]