

Product datasheet for **MC225614**

Hikeshi (NM_001291288) Mouse Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: Hikeshi (NM_001291288) Mouse Untagged Clone
Tag: Tag Free
Symbol: Hikeshi
Synonyms: 0610007P06Rik; 1110002N09Rik; l(7)6Rn; l7Rn6
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
Fully Sequenced ORF: >MC225614 representing NM_001291288
Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**GCGATCGCC**

ATGAATATTGTGCGAACCCCATCTGTTGCCAGATTGGCATCTCGGTGGAATTGTTGGACAGTCTGGCTC
AGCAGACTCCTGTAGGCAGTGTGCCGTCTCCGTTGACTCCTTTACGCAGTTCACACAGAAGATGTT
GGACAACCTCTACAATTTTGCTTCATCATTGCTCTCTCAGGCCAGATGACACCAAATCCATCAGAA
ATGTTTCATCCCAGCAAATGTGGTTCTGAAATGGTATGAAAACCTTCAAAGACGACTAGCACAGAACCC
TCTTTTGAAAACATAA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI
ACCN: NM_001291288
Insert Size: 297 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: Clone contains native stop codon, and expresses the complete ORF without any c-terminal tag.



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:	<ol style="list-style-type: none">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_001291288.1, NP_001278217.1</u>
RefSeq Size:	1226 bp
RefSeq ORF:	297 bp
Locus ID:	67669
Cytogenetics:	7 50.4 cM
Gene Summary:	<p>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). May also be indirectly required for organization and/or function of the secretory apparatus in Clara cells in lung.[UniProtKB/Swiss-Prot Function]</p> <p>Transcript Variant: This variant (4) contains an alternate exon and initiates translation at an alternate start codon compared to variant 1. The resulting isoform (d) is shorter at the N-terminus compared to isoform a. Variants 4 and 5 both encode the same isoform (d).</p>