

Product datasheet for **MR228187**

Hikeshi (NM_001291287) Mouse Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Hikeshi (NM_001291287) Mouse Tagged ORF Clone
Tag: Myc-DDK
Symbol: Hikeshi
Synonyms: 0610007P06Rik; 1110002N09Rik; l(7)6Rn; l7Rn6
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
ORF Nucleotide Sequence: >MR228187 representing NM_001291287
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGGATCGCC**

ATGCTGGGAACAATCCCATTTCTGAGGGCATGGGAGGATCTGTCTACTTTTCTATCCTGATTCAAATG
GGGTGCCAGTGTGCAGCTCCTAGGATTTGTACGAATGAAAGCCAAGTCCATCTTCAAATATCAGG
TCTTAAATCTGGGAAGGAAGCCAGCACCCATTTGGAGCCATGAATATTGTGCGAACCCCATCTGTTGCC
CAGATTGGCATCTCGGTGGAATTGTTGGACAGTCTGGCTCAGCAGACTCCTGTAGGCAGTCTGCCGTGT
CCTCCGTTGACTCCTTTACGCAGTTCACACAGAAGATGTTGGACAACCTTACAATTTTGCTTCATCATT
TGCTCTCTCAGGCCAGATGACACCAAATCCATCAGAAATGTTTCATCCAGCAAATGTGGTTCTGAAA
TGGTATGAAAACCTTCAAAGACGACTAGCACAGAACCCCTCTTTTGGAAAACA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >MR228187 representing NM_001291287
Red=Cloning site Green=Tags(s)

MLGTIPFPEGMGGSVYFSYPDSNGVPVWQLLGFVTNGKPSAIFKISGLKSGEGSQHPFGAMNIVRTPSVA
QIGISVELLDSLAQQTPVGSAAVSSVDSFTQFTQKMLDNFYNFASSFALSAQMTPNPSEMFIPANVVLK
WYENFQRRLAQNPLFWKT

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI

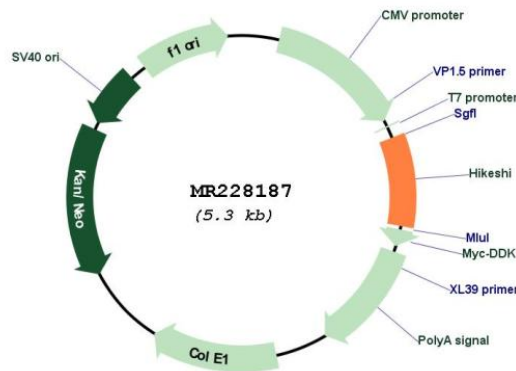


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Cloning Scheme:



Plasmid Map:



ACCN: NM_001291287

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.

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_001291287.1, NP_001278216.1</u>
RefSeq Size:	1149 bp
RefSeq ORF:	477 bp
Locus ID:	67669
UniProt ID:	<u>Q9DD02</u>
Cytogenetics:	7 50.4 cM
MW:	17.7 kDa
Gene Summary:	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]