

Product datasheet for MG201959

Hikeshi (NM 026304) Mouse Tagged ORF Clone

Product data:

Product Type: Expression Plasmids

Product Name: Hikeshi (NM_026304) Mouse Tagged ORF Clone

Tag: TurboGFP
Symbol: Hikeshi

Synonyms: 0610007P06Rik; 1110002N09Rik; I(7)6Rn; I7Rn6

Mammalian Cell Neomycin

Selection:

Vector: pCMV6-AC-GFP (PS100010)

E. coli Selection: Ampicillin (100 ug/mL)

ORF Nucleotide >MG201959 representing NM_026304

Sequence: Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC

GCCGCGATCGCC

ACTAGCACAGAACCCCCTCTTTTGGAAAACA

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence: >MG201959 representing NM_026304

Red=Cloning site Green=Tags(s)

MFGCLVAGRLVQTAAQQVAEDKFVFDLPDYENINHVVVFMLGTIPFPEGMGGSVYFSYPDSNGVPVWQLLGFVTNGKPSAIFKISGLKSGEGSQHPFGAMNIVRTPSVAQIGISVELLDSLAQQTPVGSAAVSSVDSFTQ

FTQKMLDNFYNFASSFALSQAQMTPNPSEMFIPANVVLKWYENFQRRLAQNPLFWKT

TRTRPLE - GFP Tag - V

Restriction Sites: Sgfl-Mlul



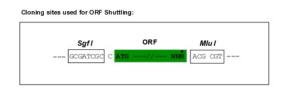
OriGene Technologies, Inc. 9620 Medical Center Drive, Ste 200

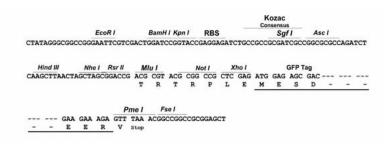
CN: techsupport@origene.cn

Rockville, MD 20850, US Phone: +1-888-267-4436 https://www.origene.com techsupport@origene.com EU: info-de@origene.com

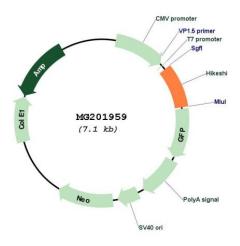


Cloning Scheme:





Plasmid Map:



ACCN: NM_026304 **ORF Size:** 1082 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:

- 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 026304.3</u>, <u>NP 080580.1</u>

 RefSeq Size:
 1046 bp

 RefSeq ORF:
 594 bp

 Locus ID:
 67669

 UniProt ID:
 Q9DD02

 Cytogenetics:
 7 50.4 cM

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]