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Product datasheet for MC226088

Hikeshi (NM_001291286) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Hikeshi (NM_001291286) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Hikeshi
Synonyms:	0610007P06Rik; 1110002N09Rik; l(7)6Rn; l7Rn6
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>MC226088 representing NM_001291286 Red=Cloning site Blue=ORF Orange=Stop codon TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC GCCGCGATCGCC ATGTTTGGCTGCCTGGTGGCGGGGAGGCTGGTGCAAACAGCTGCACAGCAAGTGGCAGAGGATAAATTTG TTTTTGACTTGCCTGATTATGAAAATATCAACCATGTTGTGGTTTTTATGCTGGGAACAATCCCATTTCC TGAGGGCATGGGAGGATCTGTCTACTTTTCCTATCCTGATTCAAATGGGGTGCCAGTGTGGCAGCTCCTA GGATTTGTCACGAATGGAAAGCCAAGTGCCATCTTCAAAATATCAGGTCTTAAATCTGGGGAAGGAAGCC AGCACCCATTTGGAGCCATGAATATTGTGCGAACCCCATCTGTTGCCCAGATTGGCATCTCGGTGGAATT GTTGGACAGTCTGGCTCAGCAGACTCCTGTAGGCAGTGCTGCCGTGTCCTCCGTTGACTCCTTTACGCAG GCCCAGATGACACCAAATCCATCAGAAATGTTCATCCCAGCAAATGTGGTTCTGAAATGGTATGAAAACT TTCAAAGACGACTAGCACAGAACCCCCTCTTTTGGAAAACATAA ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT ACAAGGATGACGACGATAAGGTTTAA
Restriction Sites:	SgfI-MluI
ACCN:	NM_001291286
Insert Size:	534 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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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:	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.
Note:	Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.
RefSeq:	NM_001291286.1, NP_001278215.1
RefSeq Size:	1025 bp
RefSeq ORF:	534 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] Transcript Variant: This variant (2) uses an alternate in-frame splice junction at the 5' end of an exon compared to variant 1. The resulting isoform (b) has the same N- and C-termini but is shorter compared to isoform a.