

Product datasheet for **RR205638**

Hes2 (NM_019236) Rat Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Hes2 (NM_019236) Rat Tagged ORF Clone
Tag: Myc-DDK
Symbol: Hes2
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
ORF Nucleotide Sequence: >RR205638 representing NM_019236
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCCGATCGCC

ATGAGACTGCCTAGAGGAGTAGGGGACGCGGCAGAGCTGCGCAAGAGCCTGAAGCCACTGCTGGAGAAGC
GCCGGCGCGCGGATCAATGAGAGCCTGAGCCAGCTAAAGGGTCTAGTATTGCCGTGCTAGGAGCAGA
GACTTCCCCTATTGGAAGTTGGAGAAGGCGGACATCCTGGAAATGACTGTGCGTTCCTACGGGAGCAG
CCTGCGTCAGTATGTTCCACGGAAGCACCTGGGTCTTTGGATAGCTACCTCGAGGGTTACCGAGCCTGTC
TGGCGCGCCTGGCCCGCTGCTGCCCGCTGCAGCGTCTGGAGCCGGCCGTGAGCGCGCCTGCTAGA
GCACCTGCGACAGAGGACTGTCAGTGGCGGCCGCCCTCACTGACCCCAGCATCCGCTTCAGCTCCAGCA
CCCTCTCTCCGGTGCCTCTCCAAGCAGCCTTGGACTTTGGAGGCCATGG

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >RR205638 representing NM_019236
Red=Cloning site Green=Tags(s)

MRLPRGVGDAEELRSLKPLLEKRRRARINESLSQLKGLVPLLGAETSRYSKLEKADILEMTVRFLEQ
PASVCSTEAPGSLDSYLEGYRACLARLARVLPACSVLEPAVSARLLEHLRQRTVSGGPPSLTPASASAPA
PSPPVPPSSSLGLWRPW

TRTRPLEQKLI SEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI

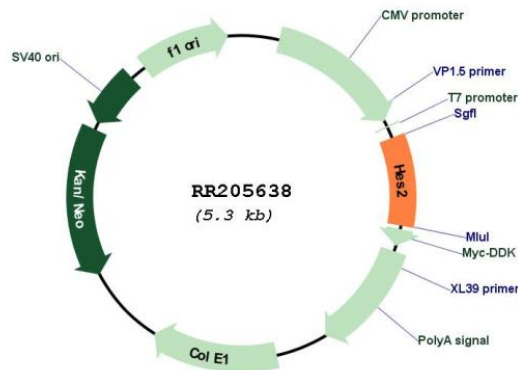


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Cloning Scheme:



Plasmid Map:



ACCN:

NM_019236

ORF Size:

471 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_019236.1</u> , <u>NP_062109.1</u>
RefSeq Size:	647 bp
RefSeq ORF:	474 bp
Locus ID:	29567
UniProt ID:	<u>P35429</u>
Cytogenetics:	5q36
MW:	17 kDa
Gene Summary:	helix-loop-helix transcription factor; may act as a negative regulator of gene transcription [RGD, Feb 2006]