

Product datasheet for **RR210240**

Hes5 (NM_024383) Rat Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Hes5 (NM_024383) Rat Tagged ORF Clone
Tag: Myc-DDK
Symbol: Hes5
Mammalian Cell Selection: Neomycin
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
ORF Nucleotide Sequence: >RR210240 representing NM_024383
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGCCCCAAGTACCGTGGCGGTGGAGATGCTCAGTCCCAAGGAGAAAAATCGACTGCGGAAGCCGGTGG
TGGAGAAGATGCGTGGGACCGCATCAACAGCAGCATTGAGCAGCTGAACTGCTGCTGGAGCAGGAGTT
CGCGCGGCACAGCCCACTCCAACTGGAGAAGGCCGACATCCTGGAGATGGCCGTCAGCTACCTGAAG
CACACAAAGCCTTCGCCGGCGCCGCCGCCCAAGAGCCTGCACCAGGACTACAGCGAGGGTTACTCGT
GGTGCCTGCAGGAGGCGGTGCAGTTCCTGACCCCTGCATGCAGCCAGCAGCAGCAGTGAAGCTGCTTTA
CCACTTCCAGCGGCCCCAGCTCCCGCCGCGCCTGTCAAGGAGACCCCGACGCCCGCGCTGCGCCCCAG
CCGGCGCGCTCCTCCACTAAGGCCGCGCCTCCGTCTCCACCTCGCGCCAATCTGCCTGGCGCTCTGGC
GGCCCTGGGGCCCTGG

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >RR210240 representing NM_024383
Red=Cloning site Green=Tags(s)

MAPSTVAVEMLSPEKNRLRKPVVEKMRRDRINSSIEQLKLLLEQEFARHQPNKLEKADILEMAVSYLK
HSKAFAAAAGPKSLHQDYSEGYSWCLQEAVQFLTLHAASDTQMKLLYHFQRPPAAPVKETPTPGAAPQ
PARSSTKAAASVSTSRQSACGLWRPWGP

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms: https://cdn.origene.com/chromatograms/ja1477_e06.zip

Restriction Sites: SgfI-MluI



[View online »](#)

Cloning Scheme:


ACCN: NM_024383

ORF Size: 498 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: [NM_024383.1](#), [NP_077359.1](#)

RefSeq Size: 592 bp

RefSeq ORF: 501 bp

Locus ID: 79225

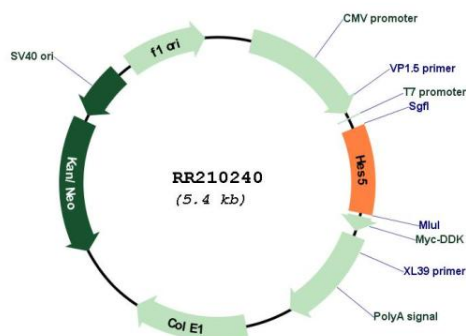
UniProt ID: [Q03062](#)

Cytogenetics: 5q36

MW: 18.5 kDa

Gene Summary: basic helix-loop-helix (HLH) protein; may function as negative regulator in neural development [RGD, Feb 2006]

Product images:



Circular map for RR210240