

Product datasheet for MR226205

Hes5 (NM_010419) Mouse Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Hes5 (NM_010419) Mouse Tagged ORF Clone
Tag: Myc-DDK
Symbol: Hes5
Synonyms: bHLHb38
Mammalian Cell Selection: Neomycin
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
ORF Nucleotide Sequence: >MR226205 ORF sequence
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGGCCCCAAGTACCGTGGCGGTGGAGATGCTCAGTCCCAAGGAGAAAAACCGACTGCGGAAGCCGGTGG
 TGGAGAAGATGCGTCGGGACCGCATCAACAGCAGCATAGAGCAGCTGAAGCTGCTGCTGGAGCAGGAGTT
 CGCGCGGCACAGCCCACTCCAAGCTGGAGAAGGCCGACATCCTGGAGATGGCCGTGAGTACCTGAAA
 CACAGCAAAGCCTTCGCGCGGCCGCCGCCCAAGAGCCTGCACCAGGACTACAGCGAGGGCTACTCCT
 GGTGCCTGCAGGAGCGGTACAGTTCCTGACCCTGCACGCCGCCAGCGACACGCAGATGAAGCTGCTTTA
 CCACTTCCAGCGGCCCCAGCTCCCGCCGCTCCTGCCAAGGAGCCCCGGCGCCCGGAGCTGCGCCCCAA
 CCGGCCGCTCCTCCGTAAGGTGCTGCTGCTGCGGTCTCCACCTCGCGCCAACCCGCCTGCGGCCTCT
 GCGGCCCTGG

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >MR226205 protein sequence
 Red=Cloning site Green=Tags(s)

MAPSTVAVEMLSPEKNRLRKPVVEKMRRDRINSSIEQLKLLLEQEFARHQPNKLEKADILEMAVSYLK
 HSKAFAAAAGPKSLHQDYSEGYSWCLQEAVQFLTLHAASDTQMMLLYHFQRPPAPAAPAKEPPAPGAAPQ
 PARSSAKAAAAAVSTRQPACGLWRPW

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: Sgfl-MluI



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Cloning Scheme:


ACCN: NM_010419

ORF Size: 504 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_010419.4](#), [NP_034549.1](#)

RefSeq Size: 1273 bp

RefSeq ORF: 504 bp

Locus ID: 15208

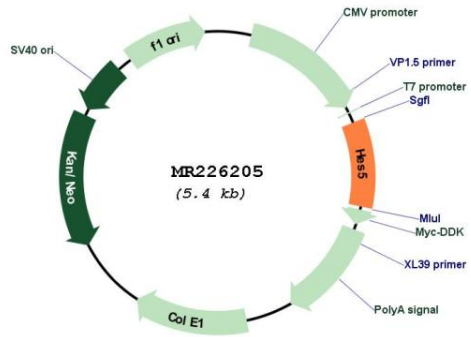
UniProt ID: [P70120](#)

Cytogenetics: 4 86.01 cM

MW: 18.4 kDa

Gene Summary: Transcriptional repressor of genes that require a bHLH protein for their transcription. Plays an important role as neurogenesis negative regulator.[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MR226205