

Product datasheet for **RR203726**

Hes3 (NM_022687) Rat Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Hes3 (NM_022687) Rat Tagged ORF Clone
Tag: Myc-DDK
Symbol: Hes3
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
ORF Nucleotide Sequence: >RR203726 representing NM_022687
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCCGATCGCC

ATGGAGAAGAAGCGTCGTGCCCGCATCAACCTGTCACTGGAGCAGCTAAGGTCTCTCTGGAGAGACACT
ACTCCCACCAGATACGGAAGCGAAAGCTGGAGAAGGCCGATATCCTGGAGCTGAGCGTTAAGTACGTGAG
AAGCCTCCAGAAGCTATTGCAAGGACTTTGGCTAGTACCCAGTGGGGTGGACTACCCGTCGGATTCCGA
GGCGGCTTGCCGGGCTCCAGCCAGAGGCTTCGGCCCGGAGAGGACGACAGCGGCCTGCGCTGCCCCCTGC
TTCTCCAGCGCAGGGCAGGCAGCACACGACAGCGCCAACCCACAGACGGCCTCTGTTCTCAGCCCTG
CCTCCCGCCATCTGGCCCTGGTCCCCTGCAGGTGGCTCCCAATCCCGCAGTCCCCGTTCCCTCCC
CTTGGAGGTCTCCTTGAGTCTCCACTGGCATTCTGGACCGCCACCTGCATCAAAGTCCAGGCCGAGA
ATCCGAGACCCGGGTTTCGCGTGTGGCGCCCTGG

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAAGTTTAA

Protein Sequence: >RR203726 representing NM_022687
Red=Cloning site Green=Tags(s)

MEKRRRARINLSLEQLRSLLEHYSHQIRKRKLEKADILELSVKYVYRSLQNSLQGLWLVP SGVDYPSGFR
GGLPGSSQRLRPGEDDGLRCP LLLQRRAGSTTDSANPQTASVLSPLPAIWAPGPPAGGSQSPQSPFPF
LGGLLESSTGILAPPPASNCQAENPRPGFRVWRPW

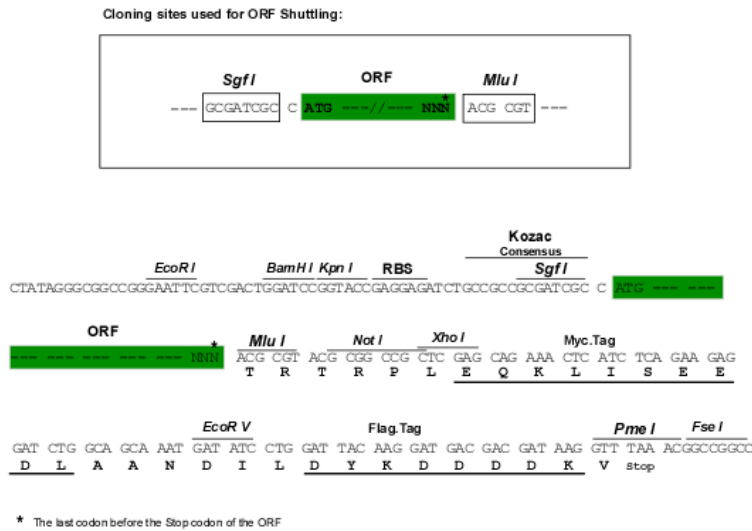
TRTRPLEQKLI SEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI

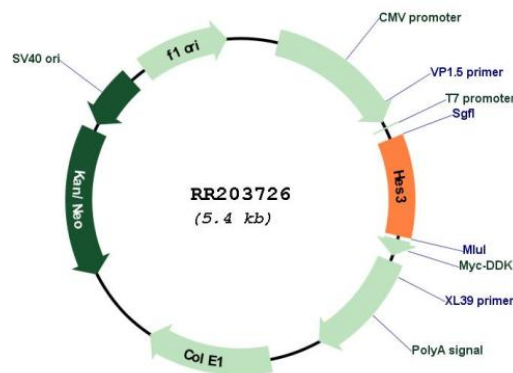


[View online »](#)

Cloning Scheme:



Plasmid Map:



ACCN: NM_022687

ORF Size: 525 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_022687.1</u> , <u>NP_073178.1</u>
RefSeq Size:	964 bp
RefSeq ORF:	528 bp
Locus ID:	64628
UniProt ID:	<u>Q04667</u>
Cytogenetics:	5q36
MW:	19.1 kDa
Gene Summary:	helix-loop-helix (HLH) protein; may function as repressor in neurons [RGD, Feb 2006]