

Product datasheet for MC211976

Hes7 (NM_033041) Mouse Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: Hes7 (NM_033041) Mouse Untagged Clone
Tag: Tag Free
Symbol: Hes7
Synonyms: bHLHb37
Mammalian Cell Selection: Neomycin
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Fully Sequenced ORF: >MC211976 representing NM_033041
Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGTCACCCGGGAGCGAGCTGAGAATAGGGACGGCCCAAGATGCTGAAGCCGTTGGTGGAGAAGCGGC
GCCGGGACCGCATCAACCGCAGCCTAGAAGAGCTGAGGCTGCTGCTCCTGGAGAGGACCAGGGACCAGAA
CCTCCGGAACCCGAAGCTGGAGAAAGCGGAGATACTGGAGTTCGCCGTGGGCTACTTGAGGGAGCGAAGC
CGGGTGGAGCCCCGGGGTTCCCCGGTCCCAGGCCAGGACGCCGAGGCGCTCGCCAGCTGCTACTTGT
CCGGCTTCGCGAGTGCCTGCTTCGCTTGGCGGCCTTTGCGCACGACGCCAGCCCGCCGACGCTCCCA
GCTTTTCTCCGCGCTGCACGGCTACCGGCGCCCAAAACCGCCCGGAGGCGGTAGATCCAGGGCTC
CCAGCGCCGCGCCACCGCTGGACCCCGCTTACCAATCCTTGGCCCCGCGCTGCACCAGCGCCCCCAG
TGCACCAGGGCCCTCCTAGTCCCCGCTCGCTTGGTCCCCATCCCACTGCTCCTCTCGCGCCGGGATTC
GGGCGCGCCGGCGCCCTCACCGGACTGCTGCCGCCACCGCCACCGCCTTACAGACAAGACGGGGCGCC
AAGGCCCGTCACTCCCACCGCCGCTTTGGAGACCTTGCCCTGA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI
ACCN: NM_033041
Insert Size: 678 bp



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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).
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:	NM_033041.4 , NP_149030.2
RefSeq Size:	964 bp
RefSeq ORF:	678 bp
Locus ID:	84653
UniProt ID:	Q8BKT2
Cytogenetics:	11 42.38 cM
Gene Summary:	Transcriptional repressor. Represses transcription from both N box- and E box-containing promoters. May with HES1, cooperatively regulate somite formation in the presomitic mesoderm (PSM). May function as a segmentation clock, which is essential for coordinated somite segmentation.[UniProtKB/Swiss-Prot Function]