

Product datasheet for **MC210027**

Heyl (NM_013905) Mouse Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: Heyl (NM_013905) Mouse Untagged Clone
Tag: Tag Free
Symbol: Heyl
Synonyms: bHLHb33; hesr3; Hey3; Hrt3
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
Fully Sequenced ORF: >MC210027 representing NM_013905
Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**GCGATCGCC**

ATGAAGCGGCCAGGGCGCCAGTGGCTCCGACGGCGAGTCTGATGGACCCATCGATGTGGGTCAAGAGA
ACGATCTTAGCCAGATGGCCAGGCCGCTGACTACCCAGCCCTTCGCAGATGCAAGCCCGAAGAAGCG
CAGAGGGATCATAGAGAAACGGCGCAGAGACCGCATCAACAGTAGCCTTTCTGAATTGCGACGATTGGTC
CCCACTGCCTTTGAGAAACAGGGCTCCTCAAGCTGGAGAAAGCTGAGGTCTTGCAGATGACCGTGGATC
ACTTGAAGATGCTCCATGCCTCTGGTGGCACAGGGTTCTTTGATGCCCGAGCCCTGGCTGTTGACTTCCG
GAGTATTGGGTTTCGGAATGCCTCACTGAGGTCATAAGATACCTGGGGTCTTGAAGGACCCAGCAGC
CATGCCGACCCTGTCCGATTCGCTCCTCCACCTCAAGAGCTATGCAGCAGAGATGGAGCCCTCAC
CCACGACCACAGTGCCTGGCCTTTCCCGTGTGGCCCTGGTCTTCTGCATAGCTGTCCAGGCTTGC
TTCCCTGAACAGTCAGCTCGCATCCTGGGAAGAGTGCCCGCCCTGTCTCCCAAGCATCTCTTCTCC
CCTTACCCTATCTCAGCCCTGAGGTGGCACCAGTGCACAGACCTGCTGGTACCATCCCCCAACCCGGC
GGATTTGTGGCCAGCCGAGGGGTGACTTCCACCCAGAGAGCCCATCTTCTGAGAGGCCAGCTGCCCC
TCCACCCACAGCCCTTGATGCCAGGGCTGCCAGGAGCATAGTCCAATCCACCATGTTCCCCACAA
GCCCTGGAGCTGGAAATCTGATGACAATGTGTCTGGTTCTATCTCCAGTCCATGCTCTCAGGGCCAA
CTGGGAGGCTGCGGGAGCAGTGTCTACCACTCTGGGTCTCAGAAATCACTGAAATTGGGGCTTCTG
A

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI
ACCN: NM_013905



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Insert Size:	981 bp
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_013905.3 , NP_038933.2
RefSeq Size:	4532 bp
RefSeq ORF:	981 bp
Locus ID:	56198
UniProt ID:	Q9DBX7
Cytogenetics:	4 D2.2
Gene Summary:	Transcriptional repressor which binds preferentially to the canonical E box sequence 5'-CACGTG-3' (By similarity). Downstream effector of Notch signaling required for cardiovascular development. Specifically required for the Notch-induced endocardial epithelial to mesenchymal transition, which is itself critical for cardiac valve and septum development. Represses transcription by the cardiac transcriptional activators GATA4 and GATA6. [UniProtKB/Swiss-Prot Function]