

Product datasheet for **MR221867L4V**

Heyl (NM_013905) Mouse Tagged ORF Clone Lentiviral Particle

Product data:

Product Type:	Lentiviral Particles
Product Name:	Heyl (NM_013905) Mouse Tagged ORF Clone Lentiviral Particle
Symbol:	Heyl
Synonyms:	bHLHb33; hesr3; Hey3; Hrt3
Mammalian Cell Selection:	Puromycin
Vector:	pLenti-C-mGFP-P2A-Puro (PS100093)
Tag:	mGFP
ACCN:	NM_013905
ORF Size:	978 bp
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(MR221867).
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.
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



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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]