

## Product datasheet for **RC202544L4V**

### HEY2 (NM\_012259) Human Tagged ORF Clone Lentiviral Particle

#### Product data:

Product Type:	Lentiviral Particles
Product Name:	HEY2 (NM_012259) Human Tagged ORF Clone Lentiviral Particle
Symbol:	HEY2
Synonyms:	bHLHb32; CHF1; GRIDLOCK; GRL; HERP1; HESR2; HRT2
Mammalian Cell Selection:	Puromycin
Vector:	pLenti-C-mGFP-P2A-Puro (PS100093)
Tag:	mGFP
ACCN:	NM_012259
ORF Size:	1011 bp
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(RC202544).
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. <a href="#">More info</a>
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:	<a href="#">NM_012259.2</a>
RefSeq Size:	2672 bp
RefSeq ORF:	1014 bp
Locus ID:	23493
UniProt ID:	<a href="#">Q9UBP5</a>
Cytogenetics:	6q22.31
Protein Families:	Druggable Genome, Transcription Factors
MW:	35.8 kDa



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**Gene Summary:**

This gene encodes a member of the hairy and enhancer of split-related (HESR) family of basic helix-loop-helix (bHLH)-type transcription factors. The encoded protein forms homo- or hetero-dimers that localize to the nucleus and interact with a histone deacetylase complex to repress transcription. Expression of this gene is induced by the Notch signal transduction pathway. Two similar and redundant genes in mouse are required for embryonic cardiovascular development, and are also implicated in neurogenesis and somitogenesis. Alternatively spliced transcript variants have been found, but their biological validity has not been determined. [provided by RefSeq, Jul 2008]