

## Product datasheet for **RC209908L2V**

### H3.3A (H3F3A) (NM\_002107) Human Tagged ORF Clone Lentiviral Particle

#### Product data:

Product Type:	Lentiviral Particles
Product Name:	H3.3A (H3F3A) (NM_002107) Human Tagged ORF Clone Lentiviral Particle
Symbol:	H3-3A
Synonyms:	H3-3B; H3.3A; H3F3; H3F3A
Mammalian Cell Selection:	None
Vector:	pLenti-C-mGFP (PS100071)
Tag:	mGFP
ACCN:	NM_002107
ORF Size:	408 bp
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(RC209908).
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_002107.5</a>
RefSeq Size:	2263 bp
RefSeq ORF:	411 bp
Locus ID:	3020
UniProt ID:	<a href="#">P84243</a>
Cytogenetics:	1q42.12
Domains:	H3, histone
Protein Pathways:	Systemic lupus erythematosus



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MW: 15.3 kDa

**Gene Summary:** Histones are basic nuclear proteins that are responsible for the nucleosome structure of the chromosomal fiber in eukaryotes. Two molecules of each of the four core histones (H2A, H2B, H3, and H4) form an octamer, around which approximately 146 bp of DNA is wrapped in repeating units, called nucleosomes. The linker histone, H1, interacts with linker DNA between nucleosomes and functions in the compaction of chromatin into higher order structures. This gene contains introns and its mRNA is polyadenylated, unlike most histone genes. The protein encoded is a replication-independent member of the histone H3 family. [provided by RefSeq, Jul 2008]