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# Product datasheet for MR221121L3V

## Hist1h4k (H4c12) (NM_178211) Mouse Tagged ORF Clone Lentiviral Particle

### Product data:

| | |
|---|---|
| **Product Type:** | Lentiviral Particles |
| **Product Name:** | Hist1h4k (H4c12) (NM_178211) Mouse Tagged ORF Clone Lentiviral Particle |
| **Symbol:** | H4c12 |
| **Synonyms:** | H4c1; H4c2; H4c3; H4c4; H4c6; H4c8; H4c9; H4c11; H4c14; H4f16; Hist1h; Hist1h4k |
| **Mammalian Cell Selection:** | Puromycin |
| **Vector:** | pLenti-C-Myc-DDK-P2A-Puro (PS100092) |
| **Tag:** | Myc-DDK |
| **ACCN:** | NM_178211 |
| **ORF Size:** | 309 bp |
| **ORF Nucleotide Sequence:** | `The ORF insert of this clone is exactly the same as(MR221121).` |
| **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_178211.2, NP_835583.1 |
| **RefSeq Size:** | 409 bp |
| **RefSeq ORF:** | 312 bp |
| **Locus ID:** | 319160 |
| **UniProt ID:** | P62806 |
| **Cytogenetics:** | 13 A3.1 |

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**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 is intronless and encodes a replication-dependent histone that is a member of the histone H4 family. Transcripts from this gene lack polyA tails but instead contain a palindromic termination element. [provided by RefSeq, Aug 2015]