

Product datasheet for **MR226390L2V**

Apobec3 (NM_001160415) Mouse Tagged ORF Clone Lentiviral Particle

Product data:

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|---------------------------|--|
| Product Type: | Lentiviral Particles |
| Product Name: | Apobec3 (NM_001160415) Mouse Tagged ORF Clone Lentiviral Particle |
| Symbol: | Apobec3 |
| Synonyms: | Apobec; Arp3; BC003314; Cem15; Rfv3 |
| Mammalian Cell Selection: | None |
| Vector: | pLenti-C-mGFP (PS100071) |
| Tag: | mGFP |
| ACCN: | NM_001160415 |
| ORF Size: | 1287 bp |
| ORF Nucleotide Sequence: | The ORF insert of this clone is exactly the same as(MR226390). |
| 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_001160415.1 , NP_001153887.1 |
| RefSeq Size: | 2459 bp |
| RefSeq ORF: | 1290 bp |
| Locus ID: | 80287 |
| Cytogenetics: | 15 37.85 cM |



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Gene Summary:

DNA deaminase (cytidine deaminase) which acts as an inhibitor of retrovirus replication and retrotransposon mobility via deaminase-dependent and -independent mechanisms. Selectively targets single-stranded DNA and does not deaminate double-stranded DNA or single-or double-stranded RNA. Exhibits antiviral activity against HIV-1, simian immunodeficiency viruses (SIVs), mouse mammary tumor virus (MMTV) and friend murine leukemia virus (FrMLV) and may inhibit the mobility of LTR retrotransposons.
[UniProtKB/Swiss-Prot Function]