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# Product datasheet for RC215740L1V

## Endonuclease V (ENDOV) (NM_173627) Human Tagged ORF Clone Lentiviral Particle

### Product data:

| | |
|---|---|
| **Product Type:** | Lentiviral Particles |
| **Product Name:** | Endonuclease V (ENDOV) (NM_173627) Human Tagged ORF Clone Lentiviral Particle |
| **Symbol:** | Endonuclease V |
| **Mammalian Cell Selection:** | None |
| **Vector:** | pLenti-C-Myc-DDK (PS100064) |
| **Tag:** | Myc-DDK |
| **ACCN:** | NM_173627 |
| **ORF Size:** | 846 bp |
| **ORF Nucleotide Sequence:** | The ORF insert of this clone is exactly the same as(RC215740). |
| **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_173627.2 |
| **RefSeq Size:** | 2858 bp |
| **RefSeq ORF:** | 849 bp |
| **Locus ID:** | 284131 |
| **UniProt ID:** | Q8N8Q3 |
| **Cytogenetics:** | 17q25.3 |
| **Protein Families:** | Druggable Genome |
| **MW:** | 30.6 kDa |

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**Gene Summary:** Endoribonuclease that specifically cleaves inosine-containing RNAs: cleaves RNA at the second phosphodiester bond 3' to inosine. Has strong preference for single-stranded RNAs (ssRNAs) toward double-stranded RNAs (dsRNAs). Cleaves mRNAs and tRNAs containing inosine. Also able to cleave structure-specific dsRNA substrates containing the specific sites 5'-IIUI-3' and 5'-UIUU-3'. Inosine is present in a number of RNAs following editing; the function of inosine-specific endoribonuclease is still unclear: it could either play a regulatory role in edited RNAs, or be involved in antiviral response by removing the hyperedited long viral dsRNA genome that has undergone A-to-I editing. Binds branched DNA structures.[UniProtKB/Swiss-Prot Function]