

Product datasheet for **MR224263L4V**

Cnot2 (NM_001037846) Mouse Tagged ORF Clone Lentiviral Particle

Product data:

| | |
|---------------------------|--|
| Product Type: | Lentiviral Particles |
| Product Name: | Cnot2 (NM_001037846) Mouse Tagged ORF Clone Lentiviral Particle |
| Symbol: | Cnot2 |
| Synonyms: | 2600016M12Rik; 2810470K03Rik; AA537049; AA959607; AW557563; C79650 |
| Mammalian Cell Selection: | Puromycin |
| Vector: | pLenti-C-mGFP-P2A-Puro (PS100093) |
| Tag: | mGFP |
| ACCN: | NM_001037846 |
| ORF Size: | 1620 bp |
| ORF Nucleotide Sequence: | The ORF insert of this clone is exactly the same as(MR224263). |
| 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_001037846.3 , NP_001032935.2 |
| RefSeq Size: | 2816 bp |
| RefSeq ORF: | 1623 bp |
| Locus ID: | 72068 |
| UniProt ID: | Q8C5L3 |
| Cytogenetics: | 10 D2 |



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Gene Summary:

Component of the CCR4-NOT complex which is one of the major cellular mRNA deadenylases and is linked to various cellular processes including bulk mRNA degradation, miRNA-mediated repression, translational repression during translational initiation and general transcription regulation. Additional complex functions may be a consequence of its influence on mRNA expression. Required for the CCR4-NOT complex structural integrity. Can repress transcription and may link the CCR4-NOT complex to transcriptional regulation; the repressive function may specifically involve the N-Cor repressor complex containing HDAC3, NCOR1 and NCOR2. Involved in the maintenance of embryonic stem (ES) cell identity; prevents their differentiation towards extraembryonic trophoctoderm lineages. [UniProtKB/Swiss-Prot Function]