

Product datasheet for **MR203889L4V**

Cnot7 (NM_011135) Mouse Tagged ORF Clone Lentiviral Particle

Product data:

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|---------------------------|--|
| Product Type: | Lentiviral Particles |
| Product Name: | Cnot7 (NM_011135) Mouse Tagged ORF Clone Lentiviral Particle |
| Symbol: | Cnot7 |
| Synonyms: | AU022737; CAF-1; Caf1; Pop2 |
| Mammalian Cell Selection: | Puromycin |
| Vector: | pLenti-C-mGFP-P2A-Puro (PS100093) |
| Tag: | mGFP |
| ACCN: | NM_011135 |
| ORF Size: | 858 bp |
| ORF Nucleotide Sequence: | The ORF insert of this clone is exactly the same as(MR203889). |
| 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_011135.2 |
| RefSeq Size: | 2617 bp |
| RefSeq ORF: | 858 bp |
| Locus ID: | 18983 |
| UniProt ID: | Q60809 |
| Cytogenetics: | 8 A4 |



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Gene Summary:

Has 3'-5' poly(A) exoribonuclease activity for synthetic poly(A) RNA substrate. Its function seems to be partially redundant with that of CNOT8. Catalytic 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. During miRNA-mediated repression the complex seems also to act as translational repressor during translational initiation. Additional complex functions may be a consequence of its influence on mRNA expression. Required for miRNA-mediated mRNA deadenylation. Associates with members of the BTG family such as TOB1 and BTG2 and is required for their anti-proliferative activity.[UniProtKB/Swiss-Prot Function]