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Product datasheet for MR208509L4V

Cnot2 (BC063105) Mouse Tagged ORF Clone Lentiviral Particle

Product data:

Product Type:	Lentiviral Particles
Product Name:	Cnot2 (BC063105) 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:	BC063105
ORF Size:	1593 bp
ORF Nucleotide Sequence:	`The ORF insert of this clone is exactly the same as(MR208509).`
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:	BC063105, AAH63105
RefSeq Size:	3014 bp
RefSeq ORF:	1595 bp
Locus ID:	72068
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 trophectoderm lineages. [UniProtKB/Swiss-Prot Function]