

## Product datasheet for **MR211963L4V**

### **Ncoa2 (NM\_001077695) Mouse Tagged ORF Clone Lentiviral Particle**

#### **Product data:**

Product Type:	Lentiviral Particles
Product Name:	Ncoa2 (NM_001077695) Mouse Tagged ORF Clone Lentiviral Particle
Symbol:	Ncoa2
Synonyms:	9530095N19; bHLHe75; D1Ert433e; GRIP-1; Grip1; KAT13C; SRC-2; TIF-2; TIF2
Mammalian Cell Selection:	Puromycin
Vector:	pLenti-C-mGFP-P2A-Puro (PS100093)
Tag:	mGFP
ACCN:	NM_001077695
ORF Size:	4179 bp
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(MR211963).
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. <a href="#">More info</a>
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:	<a href="#">NM_001077695.1</a> , <a href="#">NP_001071163.1</a>
RefSeq Size:	8006 bp
RefSeq ORF:	4182 bp
Locus ID:	17978
Cytogenetics:	1 4.12 cM



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**Gene Summary:**

Transcriptional coactivator for steroid receptors and nuclear receptors. Coactivator of the steroid binding domain (AF-2) but not of the modulating N-terminal domain (AF-1). Required with NCOA1 to control energy balance between white and brown adipose tissues. Critical regulator of glucose metabolism regulation, acts as RORA coactivator to specifically modulate G6PC expression. Involved in the positive regulation of the transcriptional activity of the glucocorticoid receptor NR3C1 by sumoylation enhancer RWDD3. Positively regulates the circadian clock by acting as a transcriptional coactivator for the CLOCK-ARNTL/BMAL1 heterodimer (PubMed:24529706).[UniProtKB/Swiss-Prot Function]