

Product datasheet for MR221079L3

Nr2c2 (NM_011630) Mouse Tagged Lenti ORF Clone

Product data:

Product Type: Expression Plasmids

Product Name: Nr2c2 (NM_011630) Mouse Tagged Lenti ORF Clone

Tag: Myc-DDK

Symbol: Nr2c2

Synonyms: mKIAA4145; TAK1; Tr4

Mammalian Cell Puromycin

Selection:

Vector: pLenti-C-Myc-DDK-P2A-Puro (PS100092)

E. coli Selection: Chloramphenicol (34 ug/mL)

ORF Nucleotide The ORF insert of this clone is exactly the same as(MR221079).

Sequence:

Restriction Sites: Sgfl-Mlul

Cloning Scheme:





^{*} The last codon before the Stop codon of the ORF.

ACCN: NM_011630

ORF Size: 1791 bp



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Nr2c2 (NM_011630) Mouse Tagged Lenti ORF Clone - MR221079L3

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.

Components: The ORF clone is ion-exchange column purified and shipped in a 2D barcoded Matrix tube

containing 10ug of transfection-ready, dried plasmid DNA (reconstitute with 100 ul of water).

Reconstitution Method: 1. Centrifuge at 5,000xg for 5min.

2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.

3. Close the tube and incubate for 10 minutes at room temperature.

4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid

at the bottom.

5. Store the suspended plasmid at -20°C. The DNA is stable for at least one year from date of

shipping when stored at -20°C.

RefSeq: <u>NM 011630.3</u>, <u>NP 035760.1</u>

 RefSeq Size:
 7637 bp

 RefSeq ORF:
 1791 bp

 Locus ID:
 22026

 UniProt ID:
 P49117

 Cytogenetics:
 6 D1

Gene Summary: Orphan nuclear receptor that can act as a repressor or activator of transcription. An

important repressor of nuclear receptor signaling pathways such as retinoic acid receptor, retinoid X, vitamin D3 receptor, thyroid hormone receptor and estrogen receptor pathways.

May regulate gene expression during the late phase of spermatogenesis. Activates transcriptional activity of LHCG and is antagonist of PPARA-mediated transactivation (By similarity). Together with NR2C1, forms the core of the DRED (direct repeat erythroid-definitive) complex that represses embryonic and fetal globin transcription including that of

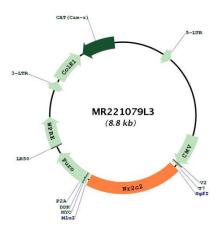
GATA1. Binds to hormone response elements (HREs) consisting of two 5'-AGGTCA-3' half site

direct repeat consensus sequences. Plays a fundamental role in early embryonic development and embryonic stem cells. Required for normal spermatogenesis and cerebellum development. Appears to be important for neurodevelopmentally regulated

behavior.[UniProtKB/Swiss-Prot Function]



Product images:



Circular map for MR221079L3