

Product datasheet for MR209201L3

Nr2c1 (NM_011629) Mouse Tagged Lenti ORF Clone

Product data:

Product Type: Expression Plasmids

Product Name: Nr2c1 (NM_011629) Mouse Tagged Lenti ORF Clone

Tag: Myc-DDK

Symbol: Nr2c1

Synonyms: 80.3; 4831444H07Rik; Eenr; TR2; Tr2-11

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(MR209201).

Sequence:

Restriction Sites: Sgfl-Mlul

Cloning Scheme:





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

ACCN: NM_011629

ORF Size: 1773 bp



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Nr2c1 (NM_011629) Mouse Tagged Lenti ORF Clone - MR209201L3

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 011629.2</u>, <u>NP 035759.3</u>

 RefSeq Size:
 3827 bp

 RefSeq ORF:
 1773 bp

 Locus ID:
 22025

 UniProt ID:
 0505F1

Cytogenetics: 10 48.81 cM

Gene Summary: Orphan nuclear receptor. Binds the IR7 element in the promoter of its own gene in an

autoregulatory negative feedback mechanism. Primarily repressor of a broad range of genes including ESR1 and RARB. Together with NR2C2, forms the core of the DRED (direct repeat erythroid-definitive) complex that represses embryonic and fetal globin transcription. Binds to hormone response elements (HREs) consisting of two 5'-AGGTCA-3' half site direct repeat

consensus sequences (By similarity). Also activator of OCT4 gene expression. Plays a

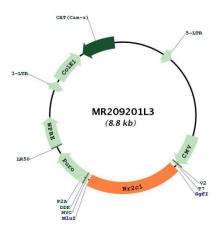
fundamental role in early embryogenesis and regulates embryonic stem cell proliferation and

differentiation. Mediator of retinoic acid-regulated preadipocyte proliferation.

[UniProtKB/Swiss-Prot Function]



Product images:



Circular map for MR209201L3