

Product datasheet for RC219184L3

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OriGene Technologies, Inc.

NR2C2 (NM_003298) Human Tagged Lenti ORF Clone

Product data:

Product Type: Expression Plasmids

Product Name: NR2C2 (NM_003298) Human Tagged Lenti ORF Clone

Tag: Myc-DDK

Synonyms: TAK1; TR4

Mammalian Cell Puromycin

Selection:

Symbol:

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

NR2C2

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

ORF Nucleotide The ORF insert of this clone is exactly the same as(RC219184).

Sequence:

Restriction Sites: Sgfl-Mlul

Cloning Scheme:





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

ACCN: NM_003298

ORF Size: 1845 bp





NR2C2 (NM_003298) Human Tagged Lenti ORF Clone - RC219184L3

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 003298.2</u>

 RefSeq Size:
 2416 bp

 RefSeq ORF:
 1848 bp

 Locus ID:
 7182

 UniProt ID:
 P49116

 Cytogenetics:
 3p25.1

Domains: HOLl, zf-C4

Protein Families: Druggable Genome, Nuclear Hormone Receptor, Transcription Factors

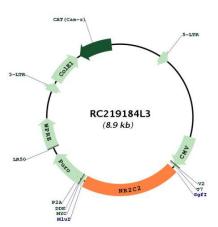
MW: 67.2 kDa

Gene Summary: This gene encodes a protein that belongs to the nuclear hormone receptor family. Members

of this family act as ligand-activated transcription factors and function in many biological processes such as development, cellular differentiation and homeostasis. The activated receptor/ligand complex is translocated to the nucleus where it binds to hormone response elements of target genes. The protein encoded by this gene plays a role in protecting cells from oxidative stress and damage induced by ionizing radiation. The lack of a similar gene in mouse results in growth retardation, severe spinal curvature, subfertility, premature aging, and prostatic intraepithelial neoplasia (PIN) development. Alternative splicing results in multiple transcript variants encoding different isoforms. [provided by RefSeq, Apr 2014]



Product images:



Circular map for RC219184L3