

Product datasheet for **SC336925**

NR2C2 (NM_001291694) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	NR2C2 (NM_001291694) Human Untagged Clone
Tag:	Tag Free
Symbol:	NR2C2
Synonyms:	TAK1; TR4
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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Fully Sequenced ORF: >SC336925 representing NM_001291694.
 Blue=Insert sequence Red=Cloning site Green=Tag(s)

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GCTCGTTTAGTGAACCGTCAGAATTTTGTAAACGACTCACTATAGGGCGGCCGGGAATTCGTGACTG
GATCCGGTACCGAGGAGATCTGCCGCCGCGATCGCC
ATGACCAGCCCTCCCCACGCATCCAGATAATCTCCACCGACTCTGCTGTAGCCTCACCTCAGCGCATT
CAGATTGTACAGACCAGCAGACAGGACAGAAAAATCCAGATAGTCACCGCAGTGGACGCCTCCGGATCC
CCCAAACAGCAGTTCATCCTGACCAGCCAGATGGAGCTGGAACCTGGGAAGGTGATCCTGGCTTCCCA
GAGACATCCAGCGCCAAGCAACTCATATTCACCACCTCAGACAACCTCGTCCCTGGCAGGATCCAGATT
GTCACGGATTCTGCCTCTGTGGAGCGTTTACTGGGAAGACGGACGTCCAGCGGCCCCAGGTGGTAGAG
TACTGTGTGGTCTGTGGCGACAAAGCCTCCGGCCGTCACTATGGGGCTGTGAGTTGTGAAGTTGCAAA
GGTTTCTTCAAAGGAGTGTGAGGAAAAATTTGACCTACAGCTGCCGGAGCAACCAAGACTGCATCATC
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GAATCTGTGCAGAGTGAACGGAACCGCTTCGATGTGCAACGGGAGAAACCAAGCAATTGTCTGCTTCA
ACTGAGAAAAATCTATATCCGAAAGACCTGAGAAGTCCCCTGATAGCTACTCCCAGTTTTGTGGCAGAC
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CGTGAGGATGGTACAGTTCTCCTGGCCACGGATTCTAAGGCTGAAACAAGCCAGGGAGCTCTGGGCACA
CTGGCAAATGTAGTGACCTCCCTTGCCAACTAAGTGAATCTTTGAAACAACGGTGACACTTCAGAAATC
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CAGAAAACCTACTCAGAAGACACCTACCGATTGGCCCGGATCCTCGTTCGCCTGCCGGCACTCAGGCTG
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ATCCCCTACATCCTCAAGATGGAGACAGCAGAGTATAATGGCCAGATCACCGGAGCCAGTCTATAG
ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGAT
TACAAGGATGACGACGATAAGGTTTAAACGGCCGGC
  
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Restriction Sites: SgfI-MluI

ACCN: NM_001291694

Insert Size: 1791 bp

OTI Disclaimer: Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).

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: [NM_001291694.1](#)

RefSeq Size: 8428 bp

RefSeq ORF: 1791 bp

Locus ID: 7182

UniProt ID: [P49116](#)

Cytogenetics: 3p25.1

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

MW: 65.4 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]
Transcript Variant: This variant (2) lacks an in-frame exon in the 5' coding region compared to variant 1. The encoded isoform (2) is shorter than isoform 1. **Sequence Note:** This RefSeq record was created from transcript and genomic sequence data to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on transcript alignments.