

Product datasheet for **RR208434**

Nr2c1 (NM_145780) Rat Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Nr2c1 (NM_145780) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Nr2c1
Synonyms:	Psg4; Tr2; TR2-11
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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ORF Nucleotide Sequence:

>RR208434 representing NM_145780
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGGCGACCATAGAAGAAATTGCACATCAGATTATTGACCAACAGATGGGTGAGATTGTTACAGAGCAGC
 AGACTGGACAGAAAATCCAGATCGTGACAGCACTTGACCACAGCACACAGGGCAAGCAGTTCATTCTAGC
 AAACCATGAGGGATCCACCCAGGGAAAGTCTTCTCACGACACCAGATGCTGCAGGTGTCAACAGTTG
 TTTTTGCCAGTCTGATCTGTCCACACCACCTCCAGCTCTTAACAGAAAATTCTCTGACCAGGGAC
 CAAATAAGGTCTTTGACCTTTGCGTTGTGTGGAGACAAAGCATCAGGCCGCCATTACGGAGCAATAAC
 TTGTGAGGGCTGCAAAGGGTTTTTAAAGAAGCATCCGGAAGAATCTAGTGTACTCGTGCCGGGGTCC
 AAAGATGCATCATTACAAGCACCACCGAACCGCTGCCAATACTGCCGGCTGCAGCGGTGCATAGCCT
 TCGGGATGAAGCAAGACTCCGTTCAAGTGTGAAAGAAAGCCATTGAAGTGTCCGAGAAAAGTCTCCAA
 CTGTGCAGCTTACAGAGAAAATCTACATCCGAAAAGACCTCCGAAGCCCTCTGGCTGCAACGCCAAC
 TTTGTAACGGACAGCGAGACTGCCAGGTCAACTGGACTGTTGGATTCGGGGATGTTTGTGAATATTCATC
 CATCTGGAATAAAGACAGAACCAGCTCTGCTAATGACACCAGATAAGGCTGAGTCTGTACAGGGAGACT
 GGGCACATTGGCCAGTGTGGTACGTCATTAGCGAATCTCGGCAAGGCTAAAGACCTTTCTCACTGTGGT
 GGCGATCTGCCTGTGGTGCAGAGCTTGCCAATGGAGATACATCCTTTGGTGCATTTTCATCAGGATATCC
 AGACCAATGGTGTGTCAAGGGCATTGACAATCTTGCAAAGCATTGACTCCCGGAGAAAACCCAGC
 CTGCCAGAGCCCAGGAGAGCATGGAAGGAAGCACACATCTAATCGCTGGAGAGCAAGCTGCATGGAG
 AGAGAGGGGCCACTGCTCAGCGATTCCGATGTCGTTTTTCAGGCTCACCATGCCTTCTCTATGCCCGAGT
 ACCTGAATGTGCCTACATTGGGGAGTCGGCTCCAGACTGCTGTTCTTATCGATGCATGGGCGCTTTC
 CATACTTCTTTCCAGGGCTCGGGCAAGAAAACAGCATATCACTGGTAAAAGCCATTGGAATGAATC
 TTTACCCTCGGTCTCGCCAGTGTGGCAAGTGTGAACGTCGCAACTATATTAGCAACGTTTGTCAACT
 GTCTTCAATAGCCTTTCAGCAAGATAAAATGTCCCGGAGAGGAGGAAGTTGTTGATGGAGCACATCTT
 CAAGCTGCAGGAGTTCTGTAATAGCATGGTGAAGCTCTGCATAGACGGGCATGAGTACGCCCTACCTCAAG
 GCCATCGTTCTTTCAGTCCCGACCATCCAGGCTGGAGAACATGGAGCTGATTGAGAAAATTCAGGAAA
 AGGCCTATGTGGAATCCAAGATTACATCACCAGGACATATCCAGATGACACCTACAGGCTGTCTAGATT
 ACTTCTCAGACTGCCGGCTTGGCGCTGATGAATGCCACCATCACTGAGGAATTGTTCTTCAAAGGTCTC
 ATTTGGCAACGTACGGATCGACAGTGTATCCACACATTTTAAAATGGAGCCTGCAGATTACAACCTCTC
 AAATAATTGGTACAGCCTT

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>RR208434 representing NM_145780
 Red=Cloning site Green=Tags(s)

MATIEEIAHQIIDQQMGEIVTEQQTGQKIQIVTALDHSTQGKQFILANHEGSTPGKVFLTTPDAAGVNQL
 FFASPDLPSTPHLQLLTENSPDQGPKNVFDL CVVCGDKASGRHYGAITCEGCKGFFKRSIRKNLVYSCRGS
 KDCIINKHHRNRCQYCR LQR CIAFGMKQDSVQCERKPIEVSREKSSNCAASTEKIYIRKDLRSP LAATPT
 FVTDSEARSTGLLD SGMFVNIHPSGIKTEPALLMTPDKAESQGD LGTLASVVTSLANLGKAKDL SHCG
 GDLPVVQSLRNGDTSFGAFHQDIQTNGDVSRAFDNLAKALTPGENPACQSPGESMEGSTHLIAGEPSCME
 REGPLLSDSHVVFR L TMPSPMPEYLVNHYIGESASRLLFLSMHWALSIPSFQALGQENSISLVKAYWNL
 FTLGLAQWQVMNVATILATFVNCLHNSLQDDKMSPERKLLMEHIFKLQEF CNSMVKLCIDGHEYAYLK
 AIVLFS PDHPGLENMELIEKFQEKAYVEFQDYITRTPDDTYRLSRL LRLPALRLMNATITEELFFKGL
 IGNVRIDSVIPHILKMEPADYNSQIIGHSL

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

Sgfl-MluI

Cloning Scheme:

Cloning sites used for ORF Shuttling:



* The last codon before the Stop codon of the ORF

ACCN: NM_145780

ORF Size: 1770 bp

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: [NM_145780.1](#), [NP_665723.1](#)
RefSeq Size: 2294 bp

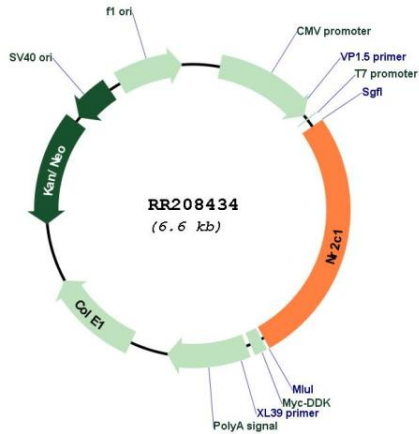
RefSeq ORF: 1773 bp

Locus ID: 252924

UniProt ID: [Q8VIJ4](#)

Cytogenetics: 7q13
MW: 65.5 kDa
Gene Summary: mouse Nr2c1 exhibits transcription factor, subtilase, ligand-dependent nuclear receptor and steroid hormone activities [RGD, Feb 2006]

Product images:



Circular map for RR208434