

Product datasheet for **RC238134**

NR2E1 (NM_001286102) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	NR2E1 (NM_001286102) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	NR2E1
Synonyms:	TLL; TLX; XTLL
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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ORF Nucleotide Sequence:

>RC238134 representing NM_001286102
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**GCGATCGCC**

ATGTTTCGAGCTGGGGCAGAGGGAGCAGAGAAGGAGCCCTCACCGCGCCGGAATGCAGAGCGGACCTG
 GCCAGGACTGGGTTCCCTTTAGGCTCGGGCCTACCCTGGCCCTCGCTGTTGGAATCTCCAGGAGGCCG
 CATTTTAGATATCCCCTGCAAAGTGTGTGGCGACCGCAGCTCGGGGAAGCACTACGGGGTCTACGCCTGC
 GACGGCTGCTCAGGTTTTTTCAAACGGAGCATCCGAAGGAATAGGACCTATGTCTGCAAATCTGAAACC
 AGGGAGGCTGTCCGGTGGACAAGACGCACAGAAACCAAGTGCAGGGCGTGTGGCTGAAGAAGTGTGGGA
 AGTCAACATGAACAAAGACGCCGTGCAGCACGAGCGGGGCCCTCGGACGTCCACCATCCGCAAGCAAGTG
 GCCCTCTACTTCCGTGGACACAAGGAGGAGAACGGGGCCGCCGCACTTCCCTCGGCGGCTCCCTG
 CGCCGGCCTTCTCACCGCGTACGCAGCTGGAGCCGACGGCCTGGAGCTGGCCGCGGTCCACCAC
 TCCAGAGCGGCAGACCCTCGTGAGCCTGGCTCAGCCACGCCAAGTACCCCATGAAGTGAATGGGACC
 CCAATGTATCTCTATGAAGTGGCCACGGAGTCCGTGTGTGAATCAGCTGCCAGACTTCTCTTCATGAGCA
 TCAAGTGGGCTAAGAGTGTGCCAGCCTTCTCCAGCTGTCTTTGCAAGACCAGCTGATGCTTTTGAAGA
 TGCTTGGAGAGAACTGTTTGTCTAGGAATAGCACAATGGGCCATTCCGTTGATGCTAACACTCTACTG
 GCTGTATCTGGCATGAACGGTGAACAACAGATTTCCAGAAGCTGAACAAGATCATATCTGAAATACAGG
 CTTTACAAGAGGTGGTGGCTCGATTTAGACAACCCGGTTAGATGCTACTGAATTTGCTGTCTAAAATG
 CATCGTCACTTTCAAAGCCGTTCCCTACACATAGTGGTTCTGAAGTGAAGTTTCCGGAATGCTGCCGCC
 ATTGCAGCCCTTCAAGATGAGGCTCAGCTAACGCTCAACAGCTACATCCATACCAGATATCCCACTCAAC
 CCTGTCGCTTTGGAAAACCTCTGTTGCTTTTCCAGCTTTACGTTCTATTAGCCCATCACTATAGAAGA
 AGTGTTTTTTCAAAAAACCATCGCAATGTGCCAATTACAAGACTGCTTTCAGATATGTACAATCCAGT
 GATATC

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>RC238134 representing NM_001286102
 Red=Cloning site Green=Tags(s)

MFRAGAEGAEKEPSRPECRADPGPLGFPLGSGLPWPSLLESPGGRILDIPCKVCGDRSSGKHVYVYAC
 DGCSGFFKRSIRRNRITYVCKSGNQGGCPVDKTHRNQCRACRLKKCLEVNMNKDAVQHERGPRTSTIRKQV
 ALYFRGHKEENGAHHFSAALPAPAFFTAVTQLEPHGLELAAVSTTPERQTLVSLAQPTPKYPHEVNGT
 PMYLVEVATESVCESAARLLFMSIKWAKSVPAFSTLSLQDQLMLEDARELFLVGLIAQWAIPVDANTLL
 AVSGMNGDNTDSQKLNKIIISEIQALQEVVARFRQLRLDATEFACLKCIIVFKAVPTHSGSELRSFRNAAA
 IAALQDEAQLTLNSYIHTRYPTQPCRFGKLLLLLLPALRSISPSTIEEVFFKKTIGNVPITRLLSDMYKSS
 DI

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

SgfI-MluI

Cloning Scheme:

Cloning sites used for ORF Shutting:



* The last codon before the Stop codon of the ORF

ACCN: NM_001286102

ORF Size: 1266 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_001286102.1](#), [NP_001273031.1](#)
RefSeq Size: 2631 bp

RefSeq ORF: 1269 bp

Locus ID: 7101

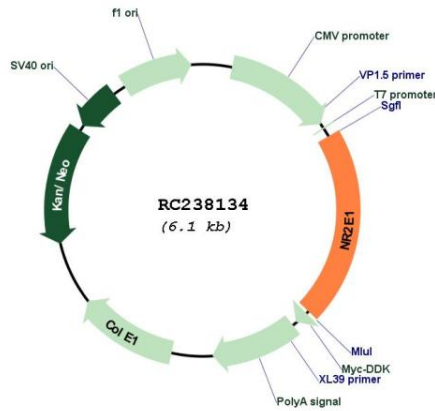
UniProt ID: [Q9Y466](#)
Cytogenetics: 6q21

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

MW: 46.9 kDa

Gene Summary: The protein encoded by this gene is an orphan receptor involved in retinal development. The encoded protein also regulates adult neural stem cell proliferation and may be involved in control of aggressive behavior. Two transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Aug 2015]

Product images:



Circular map for RC238134