

Product datasheet for **RG238134**

NR2E1 (NM_001286102) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	NR2E1 (NM_001286102) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	NR2E1
Synonyms:	TLL; TLX; XTLL
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>RG238134 representing NM_001286102. Blue=ORF Red=Cloning site Green=Tag(s)

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GCTCGTTTAGTGAACCGTCAGAATTTTGTAAACGACTACTATAGGGCGCCGGGAATTCGTCGACTG
GATCCGGTACCGAGGAGATCTGCCGCCGCGATCGCC
ATGTTTCGAGCTGGGGCAGAGGGAGCAGAGAAGGAGCCCTCACCGCGCCGGAATGCAGAGCGGACCCCT
GGCCAGGACTGGGTTTCCCTTTAGGCTCGGGCCTACCTGGCCCTCGCTGTTGGAATCTCCAGGAGGC
CGCATTTCATAGATATCCCCTGCAAAGTGTGTGGCGACCGCAGCTCGGGGAAGCACTACGGGGTCTACGCC
TGCGACGGCTGCTCAGGTTTTTCAAACGGAGCATCCGAAGGAATAGGACCTATGTCTGCAAACTCTGGA
AACCGGGAGGCTGTCCGGTGGACAAGACGCACAGAAACAGTGCAGGGCGTGTCCGGCTGAAGAAGTGT
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CAAGTGGCCCTCTACTTCCGTGGACACAAGGAGGAGAACGGGGCCCGCGCACTTTCCCTCGGGCGCG
CTCCCTGCGCCGGCCTTCTTCCACCGCGGTACGCAGCTGGAGCCGCACGGCCTGGAGCTGGCCGGGTG
TCCACCACTCCAGAGCGGCAGACCCCTCGTGAAGCTGGCTCAGCCACGCCCAAGTACCCCATGAAGTG
AATGGGACCCCAATGTATCTCTATGAAGTGGCCACGGAGTCGGTGTGTGAATCAGCTGCCAGACTTCTC
TTCATGAGCATCAAGTGGGCTAAGAGTGTGCCAGCCTTCTCCACGCTGTCTTTGCAAGACCAGCTGATG
CTTTTGAAGATGCTTGGAGAGAACTGTTTGTCTAGGAATAGCAATGGGCCATTCCGGTTGATGCT
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GCCTGTCTAAAAATGCATGCTCACTTTCAAAGCCGTTCTACACATAGTGGTTCTGAACTGAGAAGTTTC
CGGAATGTGCCGCCATTGCAGCCCTTCAAGATGAGGCTCAGCTAACGCTCAACAGCTACATCCATACC
AGATATCCCACTCAACCCTGTGCTTTGGAAAACCTCCTGTTGCTTTTGCCAGCTTTACGTTCTATTAGC
CCATCAACTATAGAAGAAGTGTTCCTCAAAAAACCATCGGCAATGTGCCAATTACAAGACTGCTTTCA
GATATGTACAAATCCAGTGATATC
ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTAAAC
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Protein Sequence: >Peptide sequence encoded by RG238134
 Blue=ORF Red=Cloning site Green=Tag(s)

MFRAGAEGAEKEPSRPECRADPGPLGFPGLGSGLPWPSLLESPGGRILDIPCKVCGDRSSGKHYGVYA
 CDGCSGFFFKRSIRRNRITYVCKSGNQGGCPVDKTHRNQCRACRLKKCLEVNMNKDAVQHERGPRTSTIRK
 QVALYFRGHKEENGAAAHFPSAALPAPAFFTAVTQLEPHGLELAAVSTTPERQTLVSLAQTPKYPHEV
 NGTPMYLYEVATESVCESAARLLFMSIKWAKSVPAFSTLSLQDQLMLLEDAWRELFVLGIAQWAIIPVDA
 NTLAVSGMNGDNTDSQKLNKIISEIQALQEVARFRQLRLDATEFACLKCIVTFKAVPTHSGSELRSF
 RNAAAIAALQDEAQLTLNSYIHTRYPTQPCRFGKLLLLLPPALRSISPSTIEEVFFKKTIGNVPITRLLS
 DMYKSSDI
 TRTRPLEMESDESGLPAMEIECRITGTLNGVEFELVGGEGTPEQGRMTNKMSTKGALTFSPYLLSHV
 MGYGFYHFGTYPSGYENPFLHAINNGGYNTRIEKYEDGGVLHVSFSYRYEAGRVIGDFKVMGTGFPED
 SVIFTDKIIRSNATVEHLHPMGDNDLDGSFTRTFLRDGGYSSVVDSHMHFKSAIHPSILQNGGPMFA
 FRRVEEDHSNTELGIVEYQHAFKTPDADAGEERV

Restriction Sites: SgfI-MluI

Cloning Scheme:



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).

RefSeq: [NM_001286102.1](#), [NP_001273031.1](#)

RefSeq Size: 2631 bp

RefSeq ORF: 1269 bp

Locus ID: 7101

UniProt ID: [Q9Y466](#)

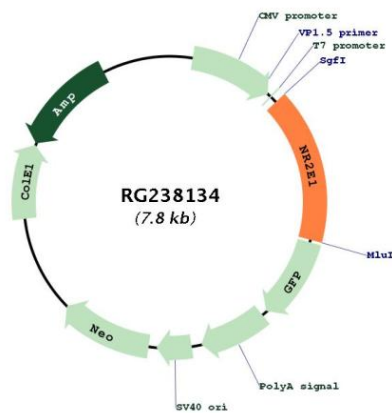
Cytogenetics: 6q21

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 RG238134