

Product datasheet for RC212113

NCOR2 (NM_006312) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	NCOR2 (NM_006312) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	NCOR2
Synonyms:	CTG26; N-CoR2; SMAP270; SMRT; SMRTE; SMRTE-tau; TNRC14; TRAC; TRAC-1; TRAC1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>RC212113 representing NM_006312 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGTCGGGATCCACACAGCCTGTGGCACAGACGTGGAGGGCCACTGAGCCCCGCTACCCGCCCCACAGCC
TTTCCTACCCAGTGCAGATCGCCCGGACGCACACGGACGTGGGGCTCCTGGAGTACCAGCACCCTCCCG
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AGCTGGGAAGTCAGAGATGGAGTTCATTGAAAGCAAGCGCCCTCGGCTAGAGCTGCTGCTGACCCCT
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CCCAGCGAGCTGATATGCTGAGGGGCTCTCGCCCCGCGAGTCTCGCTGGCACTCAACTACGCTGCGGG
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ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
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Protein Sequence: >RC212113 representing NM_006312
 Red=Cloning site Green=Tags(s)

MSGSTQPVAVTWRATEPRYPHSLSYPVQIARTHTDVGLLEYQHHSRDYASHLSPGSI IQPQRRRPSLLS
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 EKPVSPPPPIESKHRSLVQIIYDENRKKAEAAHRILEGLGPOVELPLYNQPSDTRQYHENIKINQAMRKKL
 ILYFKRRNHARKQWEQKFCQRYDQLMEAWEEKVERIENNRRAKESKVREYYEKQFPEIRKQRELQERM
 QSRVQGQSGLSMSAARSEHEVSEIIDGLSEQENLEKQMRQLAVIPPMLYDADQQRIKF INMNGLMADPM
 KVKYKDRQVMNMWSEQEKETFREKFMQHPKNFGLIASFLERKTVAECVLYYYLTKKNENYKSLVRRSYRRR
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 PHLRPLPESQSSSPLLQTAPGVKQHRVVTLAQHI SEVITQDYTRHHPQLSAPLAPLYSFPGASCPV
 LDLRRPPSDLYLPPPDHGAPARGSPHSEGGKRSPEPNKTSVLGGGEDGIEPVSPPEGMTEPGHSRSVYV
 LLYRDGEQTEPSRMGSKSPGNTSQPPAFFSKL TESNSAMVKS KQEI NKKLNTNHRNEPEYNISQPGTEI
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 TAADGRSDHTLSPGGGGKAKVSGRPSRKA KSPAPGLASGDRPPSVSSVHSEGCNRRPTLNRVWEDR
 PSSAGSTPPFPYNPLIMRLQAGVMASPPPPGLPAGSGPLAGPHHAWDEEPKPLLLCSQYETLSDSE

TRTRPLEQKLI SEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI

Cloning Scheme:

ACCN: NM_006312

ORF Size: 7542 bp

OTI Disclaimer: Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in E. coli are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA can be purchased from OriGene with batch-specific, full-sequence verification at a reduced cost. Please contact our customer care team at custsupport@origene.com or by calling 301.340.3188 option 3 for pricing and delivery.

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_006312.6](#)

RefSeq Size: 8854 bp

RefSeq ORF: 7545 bp

Locus ID: 9612

UniProt ID: [Q9Y618](#)

Cytogenetics: 12q24.31

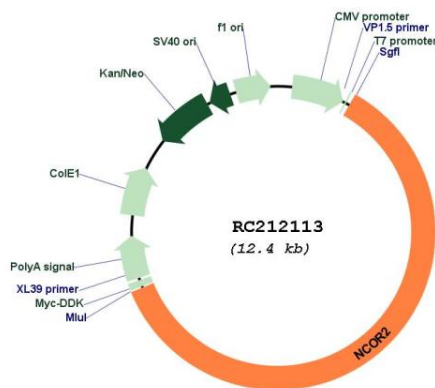
Protein Families: Druggable Genome

Protein Pathways: Notch signaling pathway

MW: 274.5 kDa

Gene Summary: This gene encodes a nuclear receptor co-repressor that mediates transcriptional silencing of certain target genes. The encoded protein is a member of a family of thyroid hormone- and retinoic acid receptor-associated co-repressors. This protein acts as part of a multisubunit complex which includes histone deacetylases to modify chromatin structure that prevents basal transcriptional activity of target genes. Aberrant expression of this gene is associated with certain cancers. Alternate splicing results in multiple transcript variants encoding different isoforms.[provided by RefSeq, Apr 2011]

Product images:



Circular map for RC212113