

Product datasheet for **SC303767**

NCOR2 (NM_006312) Human Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: NCOR2 (NM_006312) Human Untagged Clone
Tag: Tag Free
Symbol: NCOR2
Synonyms: CTG26; N-CoR2; SMAP270; SMRT; SMRTE; SMRTE-tau; TNRC14; TRAC; TRAC-1; TRAC1
Mammalian Cell Selection: None
Vector: pCMV6-XL4
E. coli Selection: Ampicillin (100 ug/mL)

Fully Sequenced ORF: >OriGene sequence for NM_006312 edited
 AGGACTGGCTTTTAACTCCTTGGTGGTATTAAGAGAAAGCTTATTGGGGCCTGGGAGCAG
 CTCCCCGCGACCCACCACCATTGTCGGGCTCCACACAGCCTGTGGCACAGACGTGGAG
 GGCCACTGAGCCCGCTACCCGCCCCACAGCCTTCTACCCAGTGCAGATCGCCCGGAC
 GCACACGGACGTGGGCTCCTGGAGTACCAGCACCCTCCCGCGACTATGCCTCCACCT
 GTCGCCCCGCTCCATCATCCAGCCCCAGCGGGAGGCCCTCCCTGCTGTCTGAGTTCCA
 GCCCGGAATGAACGGTCCCAGGAGCTCCACCTGCGGCCAGAGTCCCACTCATACTGCC
 CGAGCTGGGGAAGTCAGAGATGGAGTTCATTGAAAGCAAGCGCCCTCGGCTAGAGCTGCT
 GCCTGACCCCTGCTGCGACCGTACCCCTGCTGGCCACGGGCCAGCCTGCGGGATCTGA
 AGACCTACCAAGGACCGTAGCCTGACGGGCAAGCTGGAACCGGTGTCTCCCCAGCCC
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 CCAGAACATGGACCGCTGGACCGAGAGATCACCATGGTAGAGCAGCAGATCTCTAAGCT
 GAAGAAGAAGCAGCAACAGCTGGAGGAGGAGGCTGCCAAGCCGCCGAGCCTGAGAAGCC
 CGTGTCACCGCCGCCATCGAGTCGAAGCACCGCAGCCTGGTGCAGATCATCTACGACGA
 GAACCGGAAGAAGGCTGAAGCTGCACATCGGATTCTGGAAGGCCCTGGGGCCCCAGGTGGA
 GCTGCCGTGTACAACAGCCCTCCGACCCCGGCGAGTATCATGAGAATCAAAATAAA
 CCAGGCGATGCGGAAGAAGCTAATCTTGTACTTCAAGAGGAGGAATCACGCTCGGAAACA
 ATGGGAGCAGAAGTTCTGCCAGCGCTATGACCAGCTCATGGAGGCTGGGAGAAGAAGGT
 GGAGCGCATCGAGAACAACCCCGCGGGGCCAAGGAGAGCAAGGTGCGCGAGTACTA
 CGAGAAGCAGTTCCCTGAGATCCGCAAGCAGCGGAGCTGCAGGAGCGCATGCAGAGCAG
 GGTGGGCCAGCGGGCAGTGGGCTGTCCATGTCGCGCCGCCGAGCGAGCAGGAGGTGTC
 AGAGATCATCGATGGCCTCTCAGAGCAGGAGAACCCTGGAGAAGCAGATGCGCCAGCTGGC
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 GATCGCATCATTCTGGAGAGGAAGACAGTGGCTGAGTGGCTCCTCTATTACTACCTGAC
 TAAGAAGAAATGAGAACTATAAGAGCCTGGTGGAGACGGAGCTATCGCGCCCGGCAAGAG



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CGCCCCGGTCATTGTGCCTGAGCTGGGTAAAGCCGCGGCAGAGCCCCCTGACCTATGAGGA
 CCACGGGGCACCCCTTTGCCGGCCACCTCCCACGAGGTTGCCCGTGACCACGCGGGAGCC
 CACGCCGCGCCTGCAGGAGGGCAGCCTTTCGTCCAGCAAGGCATCCCAGGACCGAAAGCT
 GACGTCGACGCCTCGTGAGATCGCAAGTCCCCGCACAGCACCCTGCCCGAGCACCACCC
 ACACCCCATCTCGCCCTATGAGCACCTGCTTCGGGGCGTGAGTGGCGTGGACCTGTATCG
 CAGCCACATCCCCCTGGCCTTCGACCCACCTCCATACCCCGCGGCATCCCTCTGGACGC
 AGCCGCTGCCTACTACCTGCCCGGCACCTGGCCCCAACCCACCTACCCGCACCTGTA
 CCCACCCTACCTATCCGCGGCTACCCCGACACGCGCGGCTGGAGAACCAGGCAGACCAT
 CATCAATGACTACATCACCTCGCAGCAGATGCACCACAACGCGGCCACCGCCATGGCCCA
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 CCAGCCCTTCAGCAGCCGCCACAGCAGTCCCCACTCTCCCAGGAGGTCCAACACTT
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 CGATGGGGTCTACCCTACCCTCATGGAGCCCGTCTTGTGCCAAGGAGGCCCCCGGGT
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 GACTCAAAGTAAACCCTTTTCCATCCAGGAAGTGAAGTCCGTTCTCTGGGTTACCACGG
 CAGCAGTACAGCCCCGAAGGGGTGGAGCCCGTACGCCCTGTGAGCTCACCCAGTCTGAC
 CCACGACAAGGGGCTCCCCAAGCACCTGGAAGAGCTCGACAAGAGCCACCTGGAGGGGA
 GCTGCGGCCAAGCAGCCAGGCCCGTGAAGCTTGGCGGGAGGCGCCACCTCCCACA
 CCTGCGGCCGCTGCCTGAGAGCCAGCCCTCGTCCAGCCCGTGTCCAGACCGCCCCAGG
 GGTCAAAGGTACCAGCGGGTGGTACCCTGGCCAGCACATCAGTGAGGTCATACACA
 GGACTACACCCGACACCACACAGCAGCTCAGCGCACCCCTGCCCGCCCCCTCTACTC
 TTCCCTGGGGCCAGTGCCCCGCTCGGACCTCCGCGCCACCCAGTGACCTCTACCT
 CCCGCCCCCGGACCATGGTGCCCCGGCCGTGGCTCCCCCACAGCGAAGGGGGCAAGAG
 GTCTCCAGAGCCAAACAAGAGCTCGGTCTTGGGTGGTGGTGGAGACGGTATTGAACCTGT
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 GTACCGGGATGGGGAACAGACGGAGCCAGGATGGGCTCCAAGTCTCCAGGCAACACCAG
 CCAGCCGCCAGCCTTCTCAGCAAGCTGACCGAGAGCAACTCCGCCATGGTCAAGTCCAA
 GAAGCAAGAGATCAACAAGAAGCTGAACACCCACAACCGGAATGAGCCTGAATACAATAT
 CAGCCAGCCTGGGACGGAGATCTTAATATGCCCGCCATCACCGGAACAGGCCTTATGAC
 CTATAGAAGCCAGCGGTGCAGGAACATGCCAGCACC AAC : ATGGGGCTGGAGGCCATAA
 TTAGAAAGGCACTCATGGGTAATATGACCAGTGGGAAGAGTCCCCGCCGCTCAGCGCCA
 ATGCTTTTAAACCCTCTGAATGCCAGTGCCAGCCTGCCCGTGTATGCCATAACCGCTG
 CTGACGGACGGAGTGACCACACACTCACCTCGCCAGGTGGCGGCGGGAAGGCAAGGTCT
 CTGGCAGACCCAGCAGCCGAAAAGCCAAGTCCCCGGCCCCGGCCTGGCATCTGGGGACC
 GGCCACCCTCTGTCTCCTCAGTGCCTCGGAGGGAGACTGCAACCGCCGACGCCGCTCA
 CCAACCGCGTGTGGGAGGACAGGCCCTCGTCCGAGGTTCCACGCCATTCCCCTACAACC
 CCCTGATCATGCGGCTGCAGGCGGGTGTATGGCTTCCCACCCACCCGGGCTCCCCG
 CGGGCAGCGGGCCCTCGCTGGCCCCACACGCTGGGACGAGGAGCCAAAGCCACTGC
 TCTGCTCGCAGTACGAGACACTCTCCGACGCGAGTGACTCAGAACAGGG

5' Read Nucleotide Sequence:

>OriGene 5' read for NM_006312 unedited
 GTTCACATTTGTATACGACTCATATAGGCGGCCGCGNATTAGATCTGGTACCGAGCTCG
 GATCCACTAGTAACGGCCGCCATGTGCTGGAATTCGCCCTTAGGACTGGCTTTTAAATCCT
 TGGTGGTGATTAAGAGAAAGCTTATTGGGGCTGGGAGCAGCTCCCCGCCGACCCCCACC
 ACCATGTCGGGCTCCACACAGCCTGTGGCACAGACGTGGAGGGCCACTGAGCCCCGCTAC
 CCGCCCCACAGCCTTTCTACCCAGTGCAGATCGCCCGGACGCACACGGACGTGGGGCTC
 CTGGAGTACCAGCACCACTCCCGCGACTATGCCTCCCACCTGTGCGCCGGCTCCATCATC
 CAGCCCCAGCGCGGAGGCCCTCCCTGCTGTCTGAGTTCCAGCCCGGAATGAACGGTCC
 CAGGAGCTCCACCTGCGGCCAGAGTCCCACTCATACTGCCCGAGCTGGGGAAGTCAGAG
 ATGGAGTTCATTGAAAGCAAGCGCCCTCGGCTAGAGCTGCTGCCTGACCCCTGTGCGA
 CCGTCACCCCTGTGGCCACGGCCAGCCTGCGGGATCTGAAGACCTACCAAGGACCGT
 AGCCTGACGGGAAGCTGGAACCGGTGTCTCCCCCAGCCCCCGCACACTGACCCTGAG
 CTGGAGCTGGTCCGCCACNGCTGTCCAAGGGAGAGCTGATCCCAGACATGGACCGGTG
 GACCGAGAGATCACCATGGTAGAGCAGCAGATTCTTAGGCTGAGAAGAAGCAGCACAGC
 TGGGAGAGGAGGCTGCCNAGCCGCCGACCTGAGAAGCCGTGTCACCGCCGCCCATCGAG
 TCGAAGCACCGAGCCTGGTGCAGATCTT

3' Read Nucleotide Sequence:

>OriGene 3' read for NM_006312 unedited
 GNGAGAGCACTGGGNGAGGGTACAGGGATGCCACCCGGGCTCTGTTTCAGGAAACAGCTA
 TGACCGCGGCCGCAATCTAGAGCATGCTCGAGCGGCCCGCAGTGTGATGGATATCTGCAG
 AATTCCGCCTTCTGTTCTGAGTCACTCGCTGTCGGAGAGTGTCTCGTACTGCGAGCAGA
 GCAGTGGCTTGGGCTCCTCGTCCCAGGCGTGGTGGGGCCAGCGAGGGGCCCGCTGCCCG
 CGGGGAGGCCCGTGGGGTGGGAAGCCATGACACCCGCTGCAGCCGATGATCAGGG
 GGTTGTAGGGGAATGGCTGGAACCTGCGGACGAGGGCCTGTCTCCACACGCGGTTGG
 TGAGCGCGTCCGCGGTTGCAGTCTCCCTCCGAGTGCAGTGCAGGAGACAGAGGGTGGCC
 GGTCCCCAGATGCCAGGCCCGGGCCGGGACTTGGCTTTTCGGCTGCTGGGTCTGCCAG
 AGACCTTGGCCTTCCCGCCGCCCTGGCGAGGTGAGTGTGTGGTCACTCCGTCCGTGAG
 CAGCGTTATGGGCATAGCAGCGGGCAGGCTGGCACTGGCATTGAGAGGGTTAAAGCAT
 TGGCGCTGAGCGGCGGGGACTTCCCACTGGTCATATTTACCCATGAGTGCCTTTCTAA
 TTATGGCCTCCAGCCCCATGTTGGTGTGGCATGTTCTGCACCGCTGGCTTCTATAGG
 TCATAAGGCCTGTTCCGCTGATGGCGGCATATTGAAGATCTCCGTCCCAGGCTGGCTGA
 TATTGTATTCANNGCTCATTCCGTTGTTGGGTGTTTCAGCTTTCTGNTGATCTCTTGCTTC
 TTGGACTTGACCATGGCNG

Restriction Sites:

Please inquire

ACCN:

NM_006312

Insert Size:

7700 bp

OTI Disclaimer:	<p>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.</p> <p>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</p>
OTI Annotation:	<p>There are 10 nucleotide differences between the OriGene clone and the NCBI reference ORF. OriGene considers these to be polymorphisms and to reflect the natural differences between individuals. These result in the substitution of 2 amino acid (1 deletion and 1 insertion).</p>
Components:	<p>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).</p>
Reconstitution Method:	<ol style="list-style-type: none"> 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_006312.2 , NP_006303.2
RefSeq Size:	8854 bp
RefSeq ORF:	7575 bp
Locus ID:	9612
UniProt ID:	Q9Y618
Cytogenetics:	12q24.31
Protein Families:	Druggable Genome
Protein Pathways:	Notch signaling pathway

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]

Transcript Variant: This variant (1) represents the longest transcript and encodes the longest isoform (1). Sequence Note: The RefSeq transcript and protein were derived from genomic sequence to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on alignments. CCDS Note: The coding region has been updated to represent an alternative splicing pattern that is more supported by the available transcript and protein data.