

## Product datasheet for MR231935

### Ncor2 (NM\_001253905) Mouse Tagged ORF Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** Ncor2 (NM\_001253905) Mouse Tagged ORF Clone  
**Tag:** Myc-DDK  
**Symbol:** Ncor2  
**Synonyms:** N-CoR; SMRT; SMRTe  
**Mammalian Cell Selection:** Neomycin  
**Vector:** pCMV6-Entry (PS100001)  
**E. coli Selection:** Kanamycin (25 ug/mL)  
**ORF Nucleotide Sequence:** >MR231935 representing NM\_001253905  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGATCGCC**

ATGTCAGGATCCACACAGCCTGTGGCACAGACATGGCGGGCTGCTGAGCCCCGCTACCCACCCCATGGCA  
 TCTCTACCCGGTGCAGATAGCCCGGTCCACACGCCTCTGTACAACCAGCCGTCTGACACACGCCAGTA  
 CCATGAAAACATCAAAAATAAACCAGGCGATGCGGAAGAAGCTGATCTTGTACTTTAAGCGGAGGAACCAC  
 GCGCGCAAGCAGTGGGAACAGCGCTTCTGCCAGCGCTATGACCAGCTCATGGAGGCGTGGGAGAAGAAGG  
 TAGAGCGCATAGAGAACAATCCGCGAAGGAGGGCCAAGGAGAGCAAGGTGAGGGAGTACTACGAGAAACA  
 GTTCCCGGAGATCCGCAAGCAGCGGGAGCTGCAGGAGCGCATGCAGAGCAGGGTGGGCCAGCGTGGCAGT  
 GGGCTCTCCATGTGCGCTGCCCGCAGTGAGCATGAGGTTTCTGAGATCATTGATGGCTTGTCTGAGCAGG  
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 GATCAAGTTCAACAATGAATGGACTCATGGATGACCCCATGAAGGTCTACAAGGACCGTCAGGTTACC  
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 GGAGACAGCAAAGAAAGGCCTCTGGAACATGGGAGGAACTGGTCAGCCATTGCCCGTATGGTGGGCTCC  
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 GAGCGAGGAGACAGCCTCCACCTGCCGTGAGGACGAAGAGATGGAAGCATCAGCGCAAGTGC



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GAGGAAGAGCTGGCGGAGGAGGCAGAAGCCTCACAGGCCTCTGGGAATGAGGTTCCAGAGTTGGGGAGT  
GCAGTGGCCCAGCTGCTGTCAACAACAGCTCTGATACTGAGAGTGTCCCATCCCCGCGTTTCAAGGCCAC  
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ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
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Protein Sequence: >MR231935 representing NM\_001253905  
 Red=Cloning site Green=Tags(s)

MSGSTQPVAQWRAAEPRYPHGISYPVQIARSHTPLYNQPSDTRQYHENIKINQAMRKKLILYFKRRNH  
 ARKQWEQRFQRYDQLMEAWKKVERIENPRRRAKESKVREYEQFPEIRKQRELQERMQSRVGGQGS  
 GLSMSAARSEHEVSEIIDGLSEQENLEKQMRQLAVIPPMLYDADQQRIFINMNGLMDDPMKVYKDRQVT  
 NMWSEQERDTFREKFMQHPKNFGLIASFLERKTVAECVLYYYLTKKNENYKSLVRRSYRRRGKSQQQQQQ  
 QQQQQQQMARSSQEKEKEKEKEADKKEEKQDAENEKEELSKKTDSDTSGEDNDEKEAVASKGRKTAN  
 SQGRRKGRITRSMANEANHEETATPQQSSELASMEMNESSRWTEEMETAKKGLLEHGRNWSAIARMVGS  
 KTVSQCKNFYFNYKQRNLDEILQQHKLMKERNARRKKKTPAAAASEETAFFPAAEDEEMEASGASAN  
 EEELAEAEASQASGNEVPRVGECSGPAAVNNSDTEVSPSRSEATKDTGPKPTGTEALPAATQPPVPP  
 PEEPAVAPAESPVPDASGPPSPSPSPAAPPATVDKDEQEAPAAPAQTEDAKEQKSEAEIDVGKPE  
 EPEASEPPESVKSDHKEETEEEPEDKAKGTEAIETVSEAPLKVEEAGSKAAVTKGSSSGATQSDSSAT  
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 REAKLLKREGTPPPPPPRDLTETYKPRPLDPLGPKLPTHEGVVATVKEAGRSIHEIPREELRRTPEL  
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 SQDRKLTSTPREIAKSPHSTVPEHHPHPISPYEHLRGTVDL YRGHIPLAFDPTSIPIRGIPLEAAAAA  
 YYLPRHLAPSPTYPHLYPPYLIRGYPDAALENRQTIINDYITSQMMHNAASAMAQRADMLRGLSPRES  
 SLALNYAAGPRGIIDLQVPHLPVLPPTGTPATAIDRLAYLPTAPPPFSSRHSSSPLSPGGPHTLAKP  
 TATSSSERERERERERDKSILSTTTVEHAPIWRPGTEQSSGAGGSSRPASHTHQHSPISPRTQDALQQR  
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 VSPPEGMTEPGHARSTAYPLLYRDGEQGEPRMGSKSPGNTSQPPAFFSKLTESNSAMVSKKQEIINKLN  
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 NAFNPLNASASLPAAAMPITADGRSDHALSPGGGGKAKVSGRPSRKAASPAAGLASGDRPPSVSSVH  
 SEGDCNRRTPLNTRVWEDRPSSAGSTPFPYNPLIMRLQAGVMASPPPPGLAAGSGPLAGPHHAWDEEKP  
 LLCSQYETLSDSE

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: Sgfl-MluI

Cloning Scheme:



ACCN: NM\_001253905

ORF Size: 6759 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\\_001253905.1](#), [NP\\_001240834.1](#)

RefSeq Size: 8146 bp

RefSeq ORF: 6762 bp

Locus ID: 20602

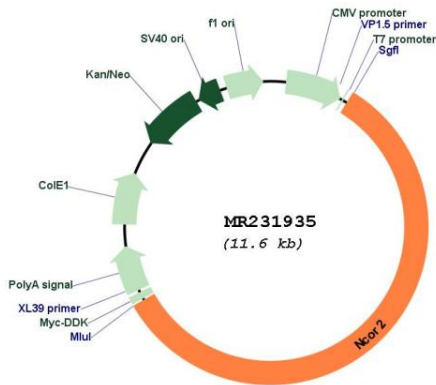
UniProt ID: [Q9WU42](#)

**Cytogenetics:** 5 G1.1

**MW:** 245.5 kDa

**Gene Summary:** Transcriptional corepressor. Mediates the transcriptional repression activity of some nuclear receptors by promoting chromatin condensation, thus preventing access of the basal transcription. Isoform 1 and isoform 5 have different affinities for different nuclear receptors. Involved in the regulation BCL6-dependent of the germinal center (GC) reactions, mainly through the control of the GC B-cells proliferation and survival. Recruited by ZBTB7A to the androgen response elements/ARE on target genes, negatively regulates androgen receptor signaling and androgen-induced cell proliferation.[UniProtKB/Swiss-Prot Function]

**Product images:**



Circular map for MR231935