

## Product datasheet for **RG223629**

### **NOR1 (NR4A3) (NM\_173200) Human Tagged ORF Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	NOR1 (NR4A3) (NM_173200) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	NOR1
Synonyms:	CHN; CSMF; MINOR; NOR1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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**ORF Nucleotide Sequence:**

>RG223629 representing NM\_173200  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGGATCGCC**

ATGCATGACTCAATCAGATTTGAAATGTGGATATGCCCTGCGTCCAAGCCAATATAGCCCTTCCCTC  
 CAGTTCCAGTTATGCGGCGCAGACATACAGCTCGGAATACACCACGGAGATCATGAACCCGACTACAC  
 CAAGCTGACCATGGACCTTGGCAGCACTGAGATCACGGCTACAGCCACCACGTCCCTGCCAGCATCAGT  
 ACCTTCGTGGAGGGCTACTCGAGCAACTACGAACTCAAGCCTTCTGCGTGTACCAAATGCAGCGGCCCT  
 TGATCAAAGTGGAGGAGGGGCGGCCAGCTACCATCACCATCACACCACCACCACCACCACCACCA  
 CCATCACAGCAGCAGCATCAGCAGCCATCCATTCTCCAGCCTCCAGCCCGGAGGACGAGGTGCTGCC  
 AGCACCTCCATGTACTTCAAGCAGTCCCACCGTCCACCCACCACGCGGCCCTTCCCCCGCAGGCGG  
 GGGCGTTATGGGACGAGGCACTGCCCTCGGCGCCCGGCTGCATCGCACCCGGCCCGCTGCTGGACCCGCC  
 GATGAAGCGGGTCCCACGGTGGCGGGCGCGCTTCCGCTTCCACTTCAAGCCTCGCCGCCGCAT  
 CCCCCCGGCCAGCCCGGCCGGCCACCACCTCGGCTACGACCCGACGGCCGCTGCCCGCTACGCC  
 TGCCGCTGGGAGCCGAGCCGCCGCGGGCAGCCAGGCCGCGCGCTTGAGAGCCACCCGTACGGGCTGCC  
 GCTGGCCAAGAGGGCGGCCCGCTGGCCTTCCGCTTCTCGGCTCACGCCCTCCCTACCGCTCCAGC  
 CTGCTGGGCGAGAGTCCCAGCCTGCCGTGCGGCCAGCAGGAGCTCGTCTGGCGAGGGCACGTGTG  
 CCGTGTGCGGGGACAACGCCCTGCCAGCACTACGGCGTGCAGAACTGCGAGGGCTGCAAGGGCTTTT  
 CAAGAGAACAGTGCAGAAAAATGAAAAATGTTTGCCTGGCAAATAAAAACTGCCAGTAGACAAGAGA  
 CGTCGAAACCGATGTCACTACTGATTTGAGAAGTGTCTCAGTGTGGAATGGTAAAAGAAGTTGTCC  
 GTACAGATAGTCTGAAAGGGAGGAGAGGTGCTGCTTCAAACCAAAGAGCCATTACAACAGGAACC  
 TTCTCAGCCCTTCCACCTTCTCTCCAATCTGCATGATGAATGCCCTTGTCCGAGCTTTAACAGACTCA  
 ACACCCAGAGATCTTGATTATCCAGATACTGTCCACTGACCAGGCTGCTGCAGGCACAGATGCTGAGC  
 ATGTGCAACAATTCTACAACCTCTGACAGCCTCCATTGATGTATCCAGAAGCTGGGCAGAAAAGATTCC  
 GGGATTTACTGATCTCCCAAAGAAGATCAGACATTACTTATTGAATCAGCCTTTTGGAGCTGTTTGT  
 CTCAGACTTTCCATCAGGTCAAACACTGCTGAAGATAAGTTTGTGTTCTGCAATGGACTTGTCTGCATC  
 GACTTCAGTGCCTTCGTGGATTTGGGAGTGGCTCGACTCTATTAAGACTTTTCCTTAAATTTGCAGAG  
 CCTGAACCTTGATATCCAAGCCTTAGCCTGCCTGTGAGCACTGAGCATGATCACAGAAAGACATGGGTTA  
 AAAGAACCAAAGAGAGTCAAGAGCTATGCAACAAGATACAAGCAGTTTAAAAGACCACCAGAGTAAGG  
 GACAGGCTCTGGAGCCCACCGAGTCCAAGTCTGGGTGCCCTGGTAGAACTGAGGAAGATCTGCACCT  
 GGGCTCCAGCGCATCTTACCTGAAGCTGGAAGACTGGTGTCTCCACCTTCCATCATTGACAAGCTC  
 TTCTGGACACCTACCTTC

**ACGCGT**ACGCGGCCGCTCGAG – GFP Tag – GTTTAA

**Restriction Sites:**

SgfI-MluI

**Cloning Scheme:**


**ACCN:** NM\_173200

**ORF Size:** 1911 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\\_173200.2](#)

**RefSeq Size:** 4983 bp

**RefSeq ORF:** 1914 bp

**Locus ID:** 8013

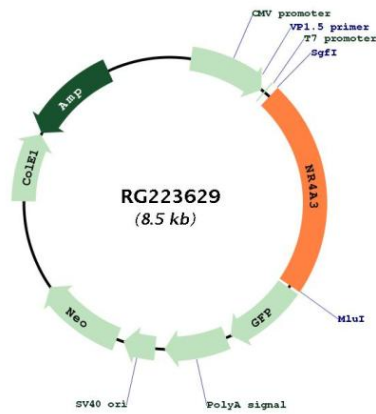
**UniProt ID:** [Q92570](#)

**Cytogenetics:** 9q31.1

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

**Gene Summary:** This gene encodes a member of the steroid-thyroid hormone-retinoid receptor superfamily. The encoded protein may act as a transcriptional activator. The protein can efficiently bind the NGFI-B Response Element (NBRE). Three different versions of extraskeletal myxoid chondrosarcomas (EMCs) are the result of reciprocal translocations between this gene and other genes. The translocation breakpoints are associated with Nuclear Receptor Subfamily 4, Group A, Member 3 (on chromosome 9) and either Ewing Sarcome Breakpoint Region 1 (on chromosome 22), RNA Polymerase II, TATA Box-Binding Protein-Associated Factor, 68-KD (on chromosome 17), or Transcription factor 12 (on chromosome 15). Multiple transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Mar 2010]

**Product images:**



Circular map for RG223629