

Product datasheet for **SC306799**

NOR1 (NR4A3) (NM_173200) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	NOR1 (NR4A3) (NM_173200) Human Untagged Clone
Tag:	Tag Free
Symbol:	NOR1
Synonyms:	CHN; CSMF; MINOR; NOR1
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)



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Fully Sequenced ORF: >OriGene ORF within SC306799 sequence for NM_173200 edited (data generated by NextGen Sequencing)

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ATGCATGACTCAATCAGATTTGAAATGTGGATATGCCCTGCGTCCAAGCCCAATATAGCCCTTCCCCTC
CAGGTTCCAGTTATGCGGCGCAGACATACAGCTCGGAATACACCACGGAGATCATGAACCCCGACTACAC
CAAGCTGACCATGGACCTTGGCAGCACTAGATCACGGCTACAGCCACCAGTCCCTGCCAGCATCAGT
ACCTTCGTGGAGGGCTACTCGAGCAACTACGAACCTCAAGCCTTCCCTGCGTGTACCAAATGCAGCGGCCCT
TGATCAAAGTGGAGGAGGGGCGGGCCAGCTACCATCACCATCACCACCACCACCACCACCACCACCACCA
CCATCACCAGCAGCAGCATCAGCAGCCATCCATTCTCCAGCCTCCAGCCCGGAGGACGAGGTGCTGCC
AGCACCTCCATGTACTTCAAGCAGTCCCCACCGTCCACCCACCACGCGGCCCTCCCCCGCAGGCGG
GGGCGTTATGGGACGAGGCACTGCCCTCGGCGCCCGGCTGCATCGCACCCGGCCCGCTGCTGGACCCGCC
GATGAAGCGGTCCCCACGGTGGCCGGCGCGCTTCCCGCTCTCCACTTCAAGCCCTCGCCGCCGCAT
CCCCCGCGCCAGCCCGGCCGGCCACCACCTCGGCTACGACCCGACGGCCGCTGCCCGCTCAGCC
TGCCGCTGGGAGCCGAGCCGCCGGGCAGCCAGGCCCGCGCTTGGGGCCACCCGTACGGGCTGCC
GCTGGCCAAGAGGGCGGCCCGCTGGCCTTCCCGCCTCTCGGCCCTCAGCCCTCCCTACCGCGTCCAGC
CTGCTGGGCGAGAGTCCCAGCCTGCCGTGCGCCGCCAGCAGGAGCTCGTGTGCTGGCGAGGGCACGTGTG
CCGTGTGCGGGACAACGCCCTGCCAGCACTACGGCGTGCAGAACTGCGAGGGCTGCAAGGGCTTTTT
CAAGAGAACAGTGCAGAAAAATGCAAAATATGTTTGCCTGGCAAAATAAAACTGCCAGTAGACAAGAGA
CGTCGAAACCGATGTCTAGTGTCTGATTTTCAAGAGTGTCTCAGTGTGGAAATGTTAAAGAAAGTTGTC
GTACAGATAGTCTGAAAGGGAGGAGAGGTCTGCTGCCCTTCAAACCAAAGAGCCATTACAACAGGAACC
TTCTCAGCCCTCTCCACCTTCTCCTCCAATCTGCATGATGAATGCTCTTGTCCGAGCTTTAACAGACTCA
ACACCCAGAGATCTTGATTATTCAGATACTGCCACTGACCAGGCTGCTGCAGGCAGGAGTGCAGGCTGAGC
ATGTGCAACAATTCTACAACCTCTGACAGCCTCCATTGATGTATCCAGAAGCTGGGCAGAAAAGATTCC
GGGATTTACTGATCTCCCAAGAGATCAGACATTACTTATTGAATCAGCCTTTTTGGAGCTGTTTGTGTC
CTCAGACTTTCCATCAGGTCAAACACTGCTGAAGATAAGTTTGTGTTCTGCAATGGACTTGTCTGCATC
GACTTCAGTGCCTTCGTGGATTTGGGAGTGGCTCGACTATTAAGACTTTTCCCTAAATTTGCAGAG
CCTGAACCTTGATATCCAAGCCTTAGCCTGCCTGTGAGCACTGAGCATGATCACAGAAAGACATGGGTTA
AAAGAACCAAAGAGAGTCAAGAGCTATGCAACAAGATACAAGCAGTTTAAAGACCACCAGAGTAAGG
GACAGGCTCTGGAGCCCACCGAGTCCAAGTCTGGGTGCCCTGGTAGAACTGAGGAAGATCTGCACCT
GGGCTCCAGCGCATCTTCTACCTGAAGCTGGAAGACTTGGTGTCTCCACCTTCCATCATTGACAAGCTC
TTCTGGACACCTACCTTTCTAA
    
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Clone variation with respect to NM_173200.2
751:g=>a 1236:t=>c

5' Read Nucleotide Sequence:

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>OriGene 5' read for NM_173200 unedited
NTTTGGGGGGTTAGGATTTGTATACGACTCATATGGGCGCGCGATTCTCCCTTGTC
AAAATTTGCATCCCATACATGCATGACTCAATCATATTGAAATGTGGATATGCCCTGCG
TCCAAGCCCAATATAGCCCTTCCCCTCCATGTTCCAGTTATGCGGCGCAGACATACAGGT
CGGAATACACCACGGAGATCATGAACCCCGACTACACCAAGCTGACCATGGACCTTGCA
GCACTGAGATCACGGCTACAGCCACCAGTCCCTGCCAGCATCAGTACCTTCGTGGAGG
GCTACTCGAGCAACTACGAACCTCAAGCCTTCTGCGTGTACCAAATGCAGCGGCCCTTGA
TCAAAGTGGAGGAGGGGCGGGCCAGCTACCATCACCATCACCACCACCACCACCACC
ACCACCACCATCACCAGCAGCAGCATCAGCAGCCATCCATTCTCCAGCCTCCAGCCCGG
AGGACGAGGTGCTGCCAGCACCTCCATGTAATTCAAGCAGTCCCTACCGTCCACCCCA
CCACGCCGGCCTTCCGCCCGCAGGCGGGGCGTTATGGGACGAGGCACTGCCCTCGGCGC
CCGGCTGCATCGCACCCGGCCCGCTGCTGGACCCGCCGATGAAGGCGGTCCCCACGGTGG
CCGGCGCGCGCTTCCCGCTTCCACTTCAAGCCCTCGCCGCCGATCCGCCCGGCCCA
GTCCGGCCGGTGGCCACCACCTGGGCTACGACCCGACGGCCGCTGCCCGCTCAGCCTGC
CGGTGGGAGCCGAGCCCGCGGGCAGACAGGCCGGCGCGCTTGGGGACATCCGTACG
GGCTGGCGCTGGCAAGAGGGAGGGCCCGCTGCCCTTCCCGCCTTACGTCT
    
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Restriction Sites:	Please inquire
ACCN:	NM_173200
Insert Size:	5500 bp
OTI Disclaimer:	Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).
OTI Annotation:	The open reading frame of this TrueClone was fully sequenced and found to be a perfect match to the protein associated to this reference.
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:	<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_173200.1 , NP_775292.1
RefSeq Size:	5707 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:	<p>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]</p> <p>Transcript Variant: This variant (3) represents the longest transcript and encodes the longest isoform (b). Sequence Note: This RefSeq record was created from transcript and genomic sequence data to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on transcript alignments.</p>