

Product datasheet for **SC122280**

ROR gamma (RORC) (BC031554) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	ROR gamma (RORC) (BC031554) Human Untagged Clone
Tag:	Tag Free
Symbol:	ROR gamma
Synonyms:	MGC129539; NR1F3; nuclear receptor ROR-gamma; OTTHUMP00000015253; RAR-re; RAR-related orphan receptor C, isoform a; RAR-related orphan receptor gamma; retinoic acid-binding receptor gamma; retinoid-related orphan receptor gamma; RORG; RZR-GAMMA; RZRG; TOR
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)



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Fully Sequenced ORF:

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>OriGene sequence for BC031554 edited
CAGGACGGCACC AAGGGAGCTGCCCCATGGACAGGGCCCCACAGAGACAGCACCCGAGCCT
CACGGGAGCTGCTGGCTGCAAAGAAGACCCACACCTCACAAATTGAAGTGATCCCTTGCA
AAATCTGTGGGGACAAGTCGTCTGGGATCCACTACGGGGTTATCACCTGTGAGGGGTGCA
AGGGCTTCTTCCGCCGGAGCCAGCGCTGTAAACGCGCCTACTCCTGCACCCGTGAGCAGA
ACTGCCCATCGACCCAGCCAGCCGAAACCGATGCCAGCACTGCCGCTGCAGAAATGCC
TGGCGCTGGGCATGTCCCGAGATGCTGTCAAGTTCGGCCGCATGTCCAAGAAGCAGAGGG
ACAGCCTGCATGCAGAAGTGCAGAAACAGCTGCAGCAGCGGCAACAGCAGCAACAGGAAC
CAGTGGTCAAGACCCCTCCAGCAGGGGCCCAAGGAGCAGATACCTCACCTACACCTTGG
GGCTCCCAGACGGGCAGCTGCCCTGGGCTCCTCGCTGACCTGCCTGAGGCTTCTGCCT
GTCCCCCTGGCCTCCTGAAAGCCTCAGGCTCTGGGCCCTCATATTCCAACAACCTGGCCA
AGGCAGGGCTCAATGGGGCTCATGCCACCTTGAATACAGCCCTGAGCGGGGCAAGGCTG
AGGGCAGAGAGAGCTTCTATAGCACAGGCAGCCAGCTGACCCCTGACCGATGTGGACTTC
GTTTTGAGGAACACAGGCATCCTGGGCTTGGGAACTGGGACAGGGCCCAGACAGCTACG
GCAGCCCAGTTCCGCAGCACACCGGAGGCACCCTATGCCTCCCTGACAGAGATAGAGC
ACCTGGTGCAGAGCGTCTGCAAGTCTACAGGGAGACATGCCAGCTGCGGCTGGAGGACC
TGCTGCGGCAGCGCTCCAACATTTCTCCCGGGAGGAAGTGACTGGCTACCAGAGGAAGT
CCATGTGGGAGATGTGGGAACGGTGTGCCACCACTCACCGAGGCCATTCAGTACGTGG
TGGAGTTCGCAAGAGGCTCTCAGGCTTATGGAGCTCTGCCAGAATGACCAGATTGTGC
TTCTCAAAGCAGGAGCAATGGAAGTGGTGTGGTTAGGATGTGCCGGGCCTACAATGCTG
ACAACCGCACGGTCTTTTTTGAAGGCAAATACGGTGGCATGGAGCTGTTCCGAGCCTTGG
GCTGCAGCGAGCTCATCAGCTCCATCTTTGACTTCTCCCACTCCCTAAGTGCCTTGCCT
TTTCCGAGGATGAGATTGCCCTACACAGCCCTGTTTTCATCAATGCCATCGGCCAG
GGCTCCAAGAGAAAAGGAAAGTAGAACAGCTGCAGTACAATCTGGAGCTGGCCTTTCATC
ATCATCTCTGCAAGACTCATCGCCAAAGCATCCTGGCAAAGCTGCCACCAAGGGGAAGC
TTCGGAGCTGTGTAGCCAGCATGTGAAAGGCTGCAGATCTTCCAGCACCTCCACCCCA
TCGTGGTCCAAGCCGCTTCCCTCCACTCTACAAGGAGCTCTCAGCACTGAAACCGAGT
CACCTGTGGGGCTGTCCAAGTGACCTGGAAGAGGGACTCCTTGCCTCTCCCTATGGCCTG
CTGGCCACCTCCCTGGACCCCGTTCCACCCTCACCTTTTCTTCCATGAACCCTGG
AGGGTGGTCCCCACCAGCTCTTTGGAAGTGAGCAGATGCTGCGGCTGGCTTCTGTGAGC
AGGCCGGCTGGCAGTGGGACAATCGCCAGAGGGTGGGGCTGGCAGAACCACATCTCCAG
CCTCAGCTTTGACCTGTCTCATTCCCATTCCCTTACACCCAGCTTCTGGAAGGCATG
GGTGGCTGGGATTTAAGGACTTCTGGGGACCAAGACATCCTCAAGAAAACAGGGGCAT
CCAGGGCTCCCTGGATGAATAGAATGCAATTCATTGAAAGCTCAGAAGCTAAGAATAAG
CCTTTGAAATACCTATTGCATTTCCCTTTGGGCTTCGGCTTGGGGAGATGGATCAAGCT
CAGAGACTGGCAGTGAGAGCCATAAAGGACCTGTATAAAATGAATCTGGAGCTTAAAAA
AAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAA
  
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5' Read Nucleotide Sequence:	>OriGene 5' read for BC031554 unedited GNNCGGCCGCGNAATTCGCCGGNATCAGGNNACGGCACCAAGGGNNAGCTGCCCCATGGN NACAGGGCCCCACANAGACAGCACCCGAGCCTCACGGGAGCTGCTGGCTGCAAAGAAGACC CACACCTCACAAATTGAAGTGATCCCTTGCAAAATCTGTGGGGACAAGTCGTCTGGGATC CACTACGGGGTTATCACCTGTGAGGGGTGCAAGGGCTTCTCCGCCGGAGCCAGCGCTGT AACGCGGCCTACTCCTGCACCCGTGAGCAGAACTGCCCCATCGACCGCACCCAGCCGAAAC CGATGCCAGCACTGCCGCTGCAGAAATGCCTGGCGCTGGGCATGTCCCGAGATGCTGTC AAGTTCGGCCGCATGTCCAAGAAGCAGAGGGACAGCCTGCATGCAGAAGTGCAGAAACAG CTGCAGCAGCGGCAACAGCAGCAACAGGAACAGTGGTCAAGACCCCTCCAGCAGGGGCC CAAGGAGCAGATACCCTCACCTACACCTTGGGGCTCCCAGACGGGCAGCTGCCCTGGGC TCCTCGCCTGACCTGCCTGAGGCTTCTGCCTGTCCCCCTGGCCTCCTGAAAGCCTCAGGC TCTGGGCCTCATATTCCAACAACCTTGGCCAAGGCAGGGCTCAATGGGGCCTCATGCCAC CTTGAATACAGCCCTGAGCGGGCAAGGCTGAGGGCAGAGAGCTTCTATAGCACAGGC AGCCAGCTGACCCCTGACCGATGTGGACTTCGTTTTGAGGAACACAGGCATCCTGNGCTT GGGGAAGTGGGACAGGGCCAGACAGCTACGGCAGCCCCAGTTTTTCGCAGCACACCGGAA GCACCCTATGCCCTNCCTGACAGAATAGAGCACCTGGTGCAGA
Restriction Sites:	Please inquire
ACCN:	BC031554
Insert Size:	2150 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).
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:	BC031554.1 , AAH31554.1
RefSeq Size:	2150 bp
Locus ID:	6097
Cytogenetics:	1q21.3
Protein Families:	Druggable Genome, Transcription Factors

Gene Summary:

The protein encoded by this gene is a DNA-binding transcription factor and is a member of the NR1 subfamily of nuclear hormone receptors. The specific functions of this protein are not known; however, studies of a similar gene in mice have shown that this gene may be essential for lymphoid organogenesis and may play an important regulatory role in thymopoiesis. In addition, studies in mice suggest that the protein encoded by this gene may inhibit the expression of Fas ligand and IL2. Two transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Jul 2008]