

Product datasheet for SC121242

ROR gamma (RORC) (NM_005060) Human Untagged Clone

Product data:

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| Product Type: | Expression Plasmids |
| Product Name: | ROR gamma (RORC) (NM_005060) Human Untagged Clone |
| Tag: | Tag Free |
| Symbol: | RORC |
| Synonyms: | IMD42; NR1F3; RORG; RZR-GAMMA; RZRG; TOR |
| Vector: | <u>pCMV6-XL4</u> |
| E. coli Selection: | Ampicillin (100 ug/mL) |
| Cell Selection: | None |



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Fully Sequenced ORF: >OriGene ORF within SC121242 sequence for NM_005060 edited (data generated by NextGen Sequencing)

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ATGGACAGGGCCCCACAGAGACAGCACCGAGCCTACGGGAGCTGCTGGCTGCAAAGAAG
ACCCACACCTCACAAATTGAAGTGATCCCTTGCAAAATCTGTGGGGACAAGTCGTCTGGG
ATCCACTACGGGGTTATCACCTGTGAGGGGTGCAAGGGCTTCTCCGCCGGAGCCAGCGC
TGTAACCGGGCTACTCCTGCACCCGTGACGAGAACTGCCCATCGACCCGACCCAGCCGA
AACCGATGCCAGCACTGCCCGTGCAGAAATGCCTGGCGTGGGCATGTCCCGAGATGCT
GTCAAGTTCGGCCGCATGTCCAAGAAGCAGAGGGACAGCCTGCATGCAGAAGTGCAGAAA
CAGCTGCAGCAGCGCAACAGCAGCAACAGGAACCAAGTGGTCAAGACCCCTCCAGCAGGG
GCCAAGGAGCAGATACCCTCACCTACACCTTGGGGCTCCAGACGGGCAGCTGCCCTG
GGCTCCTCGCCTGACCTGCCTGAGGCTTCTGCCTGTCCCCTGGCCTCCTGAAAGCCTCA
GGCTCTGGGCCCTCATATTCCAACAACCTGGCCAAGGCAGGGCTCAATGGGGCTCATGC
CACCTTGAATACAGCCCTGAGCGGGCAAGGCTGAGGGCAGAGAGAGCTTCTATAGCACA
GGCAGCCAGCTGACCCCTGACCGATGTGGACTTCGTTTTGAGGAACACAGGCATCCTGGG
CTTGGGAACTGGGACAGGGCCAGACAGCTACGGCAGCCCAAGTTTCCGCAGCACACCG
GAGGCACCTATGCCTCCCTGACAGAGATAGAGCACTGGTGCAGAGCGTCTGCAAGTCC
TACAGGGAGACATGCCAGCTGCGGCTGGAGGACCTGCTGCGGCAGCGCTCCAACATCTTC
TCCCGGGAGGAAGTGACTGGCTACCAGAGGAAGTCCATGTGGGAGATGTGGGAACGGTGT
GCCACCACCTCACCGAGGCCATTACAGTACGTGGTGGAGTTCGCCAAGAGGCTCTCAGGC
TTTATGGAGCTCTGCCAGAATGACCAGATTGTGCTTCTCAAAGCAGGAGCAATGGAAGTG
GTGCTGGTTAGGATGTGCCGGCCTACAATGCTGACAACCGCACGGTCTTTTTTGAAGGC
AAATACGGTGGCATGGAGCTGTTCCGAGCCTTGGGCTGCAGCGAGCTCATCAGCTCCATC
TTTGACTTCTCCACTCCCTAAGTGCCTTGCACTTTTCCGAGGATGAGATTGCCCTTAC
ACAGCCCTTGTTCATCAATGCCATCGGCCAGGGCTCCAAGAGAAAAGGAAAGTAGAA
CAGCTGCAGTACAATCTGGAGCTGGCCTTTCATCATCATCTCTGCAAGACTCATCGCCAA
AGCATCTGGCAAAGCTGCCACCAAGGGGAAGCTTCGGAGCCTGTGTAGCCAGCATGTG
GAAAGGCTGCAGATCTCCAGCACCTCCACCCATCGTGGTCCAAGCCGCTTTCCTCCA
CTCTACAAGGAGCTTTCAGCACTGAAACCGAGTACCTGTGGGGCTGTCCAAGTGA
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Clone variation with respect to NM_005060.3

5' Read Nucleotide Sequence:

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>OriGene 5' read for NM_005060 unedited
TTCCCCAATTTTCGGGATTTGNTAAACGATCTCACTATAGGGCGGCCGATTCCCGGGA
TCAGGACGGCACCAAGGGAGCTGCCCATGGACAGGGCCCCACAGAGACAGCACCGAGCC
TCACGGGAGCTGCTGGTGCAAAGAAGACCCACACCTCACAAATTGAAGTGATCCCTTG
AAAATCTGTGGGGACAAGTCGTCTGGGATCCACTACGGGGTTATCACCTGTGAGGGGTG
AAGGGTCTTCCGCCGGAGCCAGCGCTGTAACCGGGCTACTCCTGCACCCGTGACGAG
AACTGCCCCATCGACCGCACCAGCCGAAACCGATGCCAGCACTGCCGCCTGCAGAAATGC
CTGGCGCTGGGCATGTCCCGAGATGCTGTCAAGTTCGGCCGCATGTCCAAGAAGCAGAGG
GACAGCCTGCATGCAGAAGTGCAGAAACAGCTGCAGCAGCGGCAACAGCAGCAACAGGAA
CCAGTGGTCAAGACCCCTCCAGCAGGGGCCAAGGAGCAGATACCCTCACCTACACCTTG
GGCTCCAGACGGGAGCTGCCCTGGGCTCCTCGCCTGACCTGCCTGAGGCTTCTGCC
TGTCCCCCTGGCCTCCTGAAAGCCTCAGGCTCTGGGCCCTCATATTCCAACAACCTGGCC
AAGGCAGGGCTCAATGGGGCTCATGCCACCTTGAATACAGCCCTGAGCGGGCAAGGCT
GAGGGCAGAGAGAGCTTCTATAGCACAGGCAGCCAGCTGACCCCTGACCGATGTGGACTT
CGTTTTGAGGAACACAGGCATCCTGGGCTTGNGAACTGGGACAGGGCCAGACAGCTAC
CGCAGCCCAAGTTTCCGCAGCACACCGGAGG
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| 3' Read Nucleotide Sequence: | >OriGene 3' read for NM_005060 unedited NGGGACATTCCGGTATCATTCTACATTTCTTNAGGGGCTCTCACTGCCAGTCTCTGA GCTTGTATCCATCTCCCAAGCCGAAAGCCAAAGGGAAATGCAATGAGGTATTTCAAAGGC TTATTCTTAGCTTCTGAGCTTCTGAATGAATTGCATTCTATTCATCCAGGGAGCCCTGGA TGCCCTGTTTTTCTTGAGGATGTCTTGGTCCCCAGAAGTCCTTAAATCCCAGCCACCCC ATGCCTTCCAGAACTGGGTGTGAAGGAATATGGGAAATGAGATCAGGTCAAAGCTGAGG CTGGAGATGGTGTCTGCCAGCCACCCCTCTGGCGATTGTCCCACTGCCAGGCCGGCCT GCTGACAGAAAGCCAGCCGAGCATCTGCTCACTTCCAAAGAGCTGGTGGGGACCACCCCT CCAGGGTTCATGGGAAAGGAAAAGGGTGAGGGTGAACGGGGTCCAGGGAGGTGGGCCAG CAGGCCATAGGGAGAGGCAAGGAGTCCCTCTTCCAGGTCACTTGGACAGCCACAGGTG ACTCGTTTTAGTGTGAAGAGCTCCTTGTAGAGTGGAGGGAAAGCGGCTTGGACCAGCA TGGGGTGGAGGTGCTGGAAGATCTGCAGCCTTCCACATGCTGGCTACACAGGCTATCGA AGCTTCCCCTGGGTGGCAGCTTGGCAGGATGCTTGGCGATGAGTCTTGCCTAAATGA TGATGAAAGGCCAGCTCCCGAATGGACTGCAACTGTTTTACTTTCTTTCTTCTTGGAA CCTGCCCGATGGGCCATTGAGAGAACCAAGGCTGGGTAAAGGGCAATCTATTCTCGAAA ATGCAAGGCACTTAGGGACTGGAAAAATCAATAAGGAGCTGATGAGCTCCCTCCACCCAA GGCTCG |
| Restriction Sites: | Please inquire |
| ACCN: | NM_005060 |
| Insert Size: | 1950 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). |
| RefSeq: | NM_005060.3 , NP_005051.2 |
| RefSeq Size: | 3084 bp |
| RefSeq ORF: | 1557 bp |
| Locus ID: | 6097 |
| UniProt ID: | P51449 , Q6I9R9 |
| 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] Transcript Variant: This variant (1) represents the longer transcript and encodes the longer isoform (a). |