

Product datasheet for **RG212239**

ROR gamma (RORC) (NM_001001523) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	ROR gamma (RORC) (NM_001001523) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	ROR gamma
Synonyms:	IMD42; NR1F3; RORG; RZR-GAMMA; RZRG; TOR
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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ORF Nucleotide Sequence:

>RG212239 representing NM_001001523
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGAGAACACAAATTGAAGTGATCCCTTGCAAATCTGTGGGACAAGTCGTCTGGGATCCACTACGGG
 TTATCACCTGTGAGGGGTGCAAGGGCTTCCCGCCGGAGCCAGCGCTGTAAACGGCCTACTCCTGCAC
 CCGTCAGCAGAAGTGCACCGACCGACCCAGCCGAAACCGATGCCAGCACTGCCGCTGCAGAAATGC
 CTGGCGTGGGCATGTCCCGAGATGCTGTCAAGTTCGGCCGATGTCCAAGAAGCAGAGGGACAGCCTGC
 ATGCAGAAAGTGCAGAAACAGCTGCAGCAGCGGCAACAGCAGCAACAGGAACCAAGTGGTCAAGACCCCTC
 AGCAGGGGCCAAGGAGCAGATACCCTCACCTACACCTTGGGGCTCCAGACGGGAGCTGCCCTGGGC
 TCCTCGCCTGACCTGCCTGAGGCTTCTGCCTGTCCCTGGCCTCCTGAAAGCCTCAGGCTCTGGCCCT
 CATATTCCAACAATTGGCCAAGCAGGGCTCAATGGGGCTCATGCCACCTGAATACAGCCCTGAGCG
 GGGCAAGGCTGAGGGCAGAGAGCTTCTATAGCACAGGCAGCCAGCTGACCCCTGACCGATGTGGACTT
 CGTTTTGAGGAACACAGGCATCCTGGGCTTGGGAACTGGGACAGGGCCAGACAGCTACGGCAGCCCA
 GTTCCCGCAGCACACCGGAGGCACCTATGCCTCCCTGACAGAGATAGAGCACCTGGTGCAGAGCGTCTG
 CAAGTCTACAGGGAGACATGCCAGCTGCGGCTGGAGGACCTGTGCGGCAGCGCTCCAACATCTTCTCC
 CGGGAGGAAGTACTGGTACCAGAGGAAGTCCATGTGGGAGATGTGGGAACGGTGTGCCACCACCTCA
 CCGAGGCCATTAGTACGTGGTGGAGTTCGCCAAGAGGCTCTCAGGCTTTATGGAGCTCTGCCAGAAATGA
 CCAGATTGTGCTTCTCAAAGCAGGAGCAATGGAAGTGGTCTGGTTAGGATGTCCGGCCCTACAATGCT
 GACAACCGCACGGTCTTTTTGAAGGCAAATACGGTGGCATGGAGCTGTTCCGAGCCTTGGGCTGCAGCG
 AGCTCATCAGTCCATCTTTGACTTCTCCCACTCCCTAAGTGCCTTTCCGACTTTTCCGAGATGAGATTGC
 CCTCTACACAGCCCTTGTCTCATCAATGCCCATCGGCCAGGGCTCCAAGAGAAAAGGAAAGTAGAACAG
 CTGCAGTACAATCTGGAGCTGGCCTTTCATCATCATCTCTGCAAGACTCATCGCCAAAGCATCCTGGCAA
 AGCTGCCACCCAAGGGGAAGCTTCGGAGCCTGTGTAGCCAGCATGTGAAAGGCTGCAGATCTCCAGCA
 CCTCCACCCCATCGTGGTCCAAGCCGCTTCCCTCCACTCTACAAGGAGCTTTCAGCACTGAAACCGAG
 TCACCTGTGGGGCTGTCCAAG

ACGGTACGGCGCGCTCGAG – GFP Tag – GTTTAA

Protein Sequence:

>RG212239 representing NM_001001523
 Red=Cloning site Green=Tags(s)

MRTQIEVIPCKICGDKSSGIHYGVITCEGCKGFFRRSQRCAAYSCTRQQNCPIDRTSRNRCQHCRLQKC
 LALGMSRDAVKFGRMSKKQRDSLHAEVQKQLQQRQQQQEPVVKTPPAGAAGADTLTYTLGLPDGQLPLG
 SSPDLPEASACPPGLLKASGSGSPSYNNLAKAGLNGASCHLEYSPEKGAEGRESFYSTGSQTPDRGCL
 RFEHRHPGLGELGQGPDSYGSPSFRSTPEAPYASLIEHLVQSVCKSYRETCQLRLEDLLRQSNIFS
 REEVTGYQRKSMWEMWERCAHHLTEAIQYVVEFAKRLSGFMELCQNDQIVLLKAGAMEVVLVVMCRAYNA
 DNRTVFFEGKYGMELFRALGCSELISSIFDFSHLSALHFSEDEIALYALVLI NAHRPGLQEKRKVEQ
 LQYNLELAFHHHLCKTHRQSILAKLPPKGLRSLCSQHVERLQIFQHLHPIVVQAAPPLYKELFSTETE
 SPVGLSK

TRTRPLE – GFP Tag – V

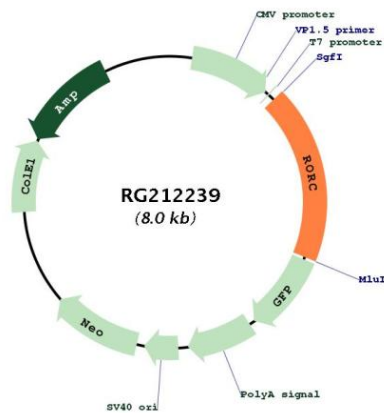
Restriction Sites:

Sgfl-MluI

RefSeq Size: 3054 bp
 RefSeq ORF: 1494 bp
 Locus ID: 6097
 UniProt ID: [P51449](#)
 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]

Product images:



Circular map for RG212239