

Recombinant Human RORC Protein, Myc/DDK-tagged, C13 and N15-labeled

Cat. No. RORC-5473H **Lot. No.** (See product label)

SPECIFICATION

Product Overview

RORC MS Standard C13 and N15-labeled recombinant protein (NP_005051) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.

Species

Human

Source

HEK293

Description

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.

Molecular Mass

58.2 kDa

AA Sequence

MDRAPQRQHRSARELLAAKKTHTSQIEVIPCKICGDKSSGIHYGVITCEGCKGFFRR
 SQRCNAAYSCTRQQNCPIDRTSRNRCQHCRLLQKCLALGMSRDAVKFGRMSKKQR
 DSLHAEVQKQLQQRQQQQEPVVKTPPAGAQQGADTLTYTLGLPDGQLPLGSSPDL
 PEASACPPGLLKASGSGPSYSNNLAKAGLNGASCHLEYS PERGKAEGRESFYSTGS
 QLTPDRCGLRFEEHRHPGLGELGQGPDSYGSPSFRSTPEAPYASL TEIEHLVQSVC
 KSYRETCQLRLEDLLRQRSNIFSREEVTGYQRKSMWEMWERCAHHLTEAIQYVVEF

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AKRLSGFMELCQNDQIVLLKAGAMEVVLVRMCRAYNADNRTVFFEGKYGGMELFR
 ALGCSELISSIFDFSHLSALHFSEDEIALYLTALVLINAHRPGLQEKRKVEQLQYNLEL
 AFHHHLCKTHRQSILAKLPPKGKLRSLCSQHVERLQIFQHLHPIVVQAAFPPLYKELF
 STETESPVGLSKTRTRPLEQKLISEEDLAANDILDYKDDDDKV

Purity > 80% as determined by SDS-PAGE and Coomassie blue staining

Stability Stable for 3 months from receipt of products under proper storage and handling conditions.

Storage Store at -80 centigrade. Avoid repeated freeze-thaw cycles.

Concentration 50 µg/mL as determined by BCA

Storage Buffer 100 mM glycine, 25 mM Tris-HCl, pH 7.3.

GENE INFORMATION

Gene Name [RORC RAR-related orphan receptor C \[Homo sapiens \(human\) \]](#)

Official Symbol [RORC](#)

Synonyms RORC; RAR-related orphan receptor C; nuclear receptor ROR-gamma; NR1F3; RORG; RZRG; TOR; nuclear receptor RZR-gamma; retinoic acid-binding receptor gamma; retinoid-related orphan receptor gamma; RAR-related orphan receptor C, isoform a; RAR-related orphan nuclear receptor variant 2; nuclear receptor subfamily 1 group F member 3; RZR-GAMMA; MGC129539;

Gene ID [6097](#)

mRNA Refseq [NM_005060](#)

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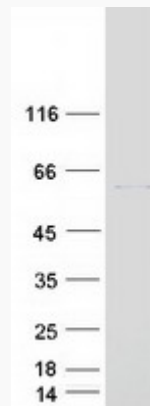
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Protein Refseq [NP_005051](#)

MIM [602943](#)

UniProt ID [P51449](#)

SDS-PAGE



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