

Recombinant Human RORC protein, His-tagged

Cat. No. RORC-1084H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human RORC aa. (Glu212~Ser461 fused with N-terminal His tag was produced in E. coli cells.
Species	Human
Source	E.coli
ProteinLength	Glu212~Ser461
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.
Form	Freeze-dried powder
Molecular Mass	32kDa as determined by SDS-PAGE reducing conditions.
Endotoxin	<1.0EU per 1g (determined by the LAL method)
Purity	>95%

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Characteristic	The isoelectric point is 6.6.
Applications	SDS-PAGE; WB; ELISA; IP; CoIP; Purification; Amine Reactive Labeling.
Stability	The thermal stability is described by the loss rate. The loss rate was determined by accelerated thermal degradation test, that is, incubate the protein at 37°C for 48h, and no obvious degradation and precipitation were observed. The loss rate is less than 5% within the expiration date under appropriate storage condition.
Storage	Avoid repeated freeze/thaw cycles. Store at 2-8°C for one month. Aliquot and store at -80°C for 12 months.
Concentration	200µg/mL
Storage buffer	20mM Tris, 150mM NaCl, pH8.0, containing 1mM EDTA, 1mM DTT, 0.01% sarcosyl, 5% Trehalose and Proclin300.
Reconstitution	Reconstitute in 20mM Tris, 150mM NaCl (pH8.0) to a concentration of 0.1-1.0mg/mL. Do not vortex.

GENE INFORMATION

Gene Name	RORC RAR related orphan receptor C [Homo sapiens (human)]
Official Symbol	RORC
Synonyms	RORC; RAR related orphan receptor C; TOR; RORG; RZRG; IMD42; NR1F3; RZR-GAMMA; nuclear receptor ROR-gamma; RAR-related orphan nuclear receptor variant 2; RAR-related orphan receptor C, isoform a; nuclear receptor RZR-gamma; nuclear receptor subfamily 1 group F member 3; retinoic acid-binding receptor gamma; retinoid-related orphan receptor gamma

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Gene ID	6097
mRNA Refseq	NM_001001523.1
Protein Refseq	NP_001001523.1
UniProt ID	P51449

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