

Recombinant Human RORC Protein (Glu212-Ser461), His tagged

Cat. No. RORC-6193H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant human RORC (Glu212-Ser461) fused with His tag was expressed in E. coli.
Species	Human
Source	E.coli
ProteinLength	Glu212-Ser461
Description	Nuclear receptor that binds DNA as a monomer to ROR response elements (RORE) containing a single core motif half-site 5'-AGGTCA-3' preceded by a short A-T-rich sequence. Key regulator of cellular differentiation, immunity, peripheral circadian rhythm as well as lipid, steroid, xenobiotics and glucose metabolism. Considered to have intrinsic transcriptional activity, have some natural ligands like oxysterols that act as agonists (25-hydroxycholesterol) or inverse agonists (7-oxygenated sterols), enhancing or repressing the transcriptional activity, respectively. Recruits distinct combinations of cofactors to target gene regulatory regions to modulate their transcriptional expression, depending on the tissue, time and promoter contexts. Regulates the circadian expression of clock genes such as CRY1, ARNTL/BMAL1 and NR1D1 in peripheral tissues and in a tissue-selective manner.
Form	Lyophilized powder/frozen liquid
Molecular Mass	30.07 kDa

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Purity	> 90 % as determined by SDS-PAGE
Notes	For research use only.
Storage	Use a manual defrost freezer and avoid repeated freeze thaw cycles. Store at 2 to 8 centigrade for one week. Store at -20 to -80 centigrade for twelve months from the date of receipt.
Storage Buffer	Supplied as solution form in PBS, pH 7.5 or lyophilized from PBS, pH 7.5.
Reconstitution	Reconstitute in sterile water for a stock solution.
Shipping	They are shipped out with dry ice/blue ice unless customers require otherwise.

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_001001523
Protein Refseq	NP_001001523

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MIM	602943
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UniProt ID	P51449
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