

## Recombinant Human RXRG

**Cat. No.** RXRG-31123TH    **Lot. No.** (See product label)

### SPECIFICATION

<b>Product Overview</b>	Recombinant full length Human Retinoid X Receptor gamma with N terminal proprietary tag; Predicted MWt 77.00 kDa inclusive of tag.
<b>Species</b>	Human
<b>Source</b>	Wheat Germ
<b>ProteinLength</b>	463 amino acids
<b>Description</b>	This gene encodes a member of the retinoid X receptor (RXR) family of nuclear receptors which are involved in mediating the antiproliferative effects of retinoic acid (RA). This receptor forms dimers with the retinoic acid, thyroid hormone, and vitamin D receptors, increasing both DNA binding and transcriptional function on their respective response elements. This gene is expressed at significantly lower levels in non-small cell lung cancer cells. Alternatively spliced transcript variants have been described.
<b>Molecular Weight</b>	77.000kDa inclusive of tags
<b>Form</b>	Liquid
<b>Purity</b>	Proprietary Purification
<b>Storage buffer</b>	pH: 8.00 Constituents: 0.3% Glutathione, 0.79% Tris HCl

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<b>Storage</b>	Shipped on dry ice. Upon delivery aliquot and store at -80oC. Avoid freeze / thaw cycles.
<b>Sequences of amino acids</b>	<p>MYGNYSHFMKFPAGYGGSPGHTGSTSMSPSAALSTGKPMDSHPSYTDTPVSAPR          TLSAVGTPLNALGSPYRVITSAMGPP SGALAAPPGINLVAPPSSQLNVVNSVSSSED          IKPLPGLPG IGNMNYPSTSPGSLVKHICAICGDRSSGKHVYVYSCEGCK GFFKRTIR          KDLIYTCRDNDCLIDKRQRNRCQYCRYQKCL VMGMKREAVQEERQRSRERAESE          AECATSGHEDMPVERIL EAELAVEPKTESYGDMMENSTNDPVTNICHAAADKQLFT          L VEWAKRIPHFSDLTLEDQVILLRAGWNELLIASFSHRVS VQDGILLATGLHVHRS          SAHSAGVGSIFDRVLTELVSKMKD MQMDKSELGCLRAIVLFPDAKGLSNPSEVET          LREKVYAT LEAYTKQKYPEQPGRFAKLLLRLPALRSIGLKCLEHLFFF KLIGDTPIDTF          LMEMLETPLQIT</p>
<b>Sequence Similarities</b>	Belongs to the nuclear hormone receptor family. NR2 subfamily. Contains 1 nuclear receptor DNA-binding domain.

## GENE INFORMATION

<b>Gene Name</b>	<a href="#">RXRG retinoid X receptor, gamma [ Homo sapiens ]</a>
<b>Official Symbol</b>	<a href="#">RXRG</a>
<b>Synonyms</b>	RXRG; retinoid X receptor, gamma; retinoic acid receptor RXR-gamma; NR2B3;
<b>Gene ID</b>	<a href="#">6258</a>
<b>mRNA Refseq</b>	<a href="#">NM_006917</a>
<b>Protein Refseq</b>	<a href="#">NP_008848</a>
<b>MIM</b>	<a href="#">180247</a>

<b>Uniprot ID</b>	P48443
<b>Chromosome Location</b>	1q22-q23
<b>Pathway</b>	Adipocytokine signaling pathway, organism-specific biosystem; Adipocytokine signaling pathway, conserved biosystem; Adipogenesis, organism-specific biosystem; Gene Expression, organism-specific biosystem; Generic Transcription Pathway, organism-specific biosystem;
<b>Function</b>	metal ion binding; receptor activity; retinoid-X receptor activity; sequence-specific DNA binding; sequence-specific DNA binding transcription factor activity;

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