Recombinant Human RXRG

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

SPECIFICATION

Product Overview	Recombinant full length Human Retinoid X Receptor gamma with N terminal proprietary tag; Predicted MWt 77.00 kDa incusive of tag.
Species	Human
Source	Wheat Germ
ProteinLength	463 amino acids
Description	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.
Molecular Weight	77.000kDa inclusive of tags
Form	Liquid
Purity	Proprietary Purification
Storage buffer	pH: 8.00Constituents:0.3% Glutathione, 0.79% Tris HCl

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Storage	Shipped on dry ice. Upon delivery aliquot and store at -80oC. Avoid freeze / thaw cycles.
Sequences of amino acids	MYGNYSHFMKFPAGYGGSPGHTGSTSMSPSAALSTGKPMD SHPSYTDTPVSAPR TLSAVGTPLNALGSPYRVITSAMGPP SGALAAPPGINLVAPPSSQLNVVNSVSSSED IKPLPGLPG IGNMNYPSTSPGSLVKHICAICGDRSSGKHYGVYSCEGCK GFFKRTIR KDLIYTCRDNKDCLIDKRQRNRCQYCRYQKCL VMGMKREAVQEERQRSRERAESE AECATSGHEDMPVERIL EAELAVEPKTESYGDMNMENSTNDPVTNICHAADKQLFT L VEWAKRIPHFSDLTLEDQVILLRAGWNELLIASFSHRSVS VQDGILLATGLHVHRS SAHSAGVGSIFDRVLTELVSKMKD MQMDKSELGCLRAIVLFNPDAKGLSNPSEVET LREKVYAT LEAYTKQKYPEQPGRFAKLLLRLPALRSIGLKCLEHLFFF KLIGDTPIDTF LMEMLETPLQIT
Sequence Similarities	Belongs to the nuclear hormone receptor family. NR2 subfamily.Contains 1 nuclear receptor DNA-binding domain.

GENE INFORMATION

Gene Name	RXRG retinoid X receptor, gamma [Homo sapiens]
Official Symbol	RXRG
Synonyms	RXRG; retinoid X receptor, gamma; retinoic acid receptor RXR-gamma; NR2B3;
Gene ID	6258
mRNA Refseq	NM_006917
Protein Refseq	NP_008848
MIM	180247

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Uniprot ID	P48443
Chromosome Location	1q22-q23
Pathway	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;
Function	metal ion binding; receptor activity; retinoid-X receptor activity; sequence-specific DNA binding; sequence-specific DNA binding transcription factor activity;

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