

Recombinant Full Length Human RXRG Protein, C-Flag-tagged

Cat. No. RXRG-2145HFL **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Full Length Human RXRG Protein, fused to Flag-tag at C-terminus, was expressed in Mammalian cells.
Species	Human
Source	Mammalian Cells
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.
Form	25 mM Tris HCl, pH 7.3, 100 mM glycine, 10% glycerol.
Molecular Mass	50.7 kDa
AA Sequence	MYGNYSHFMKFPAGYGGSPGHTGSTSMSPSAALSTGKPMDSHPSTDTTPVSAPRT LSAVGTPLNALGSPY RVITSAMGPPSGALAAPPINLVAPPSSQLNVDVNSVSSSEDI KPLPGLPGIGNMNPSTSPGSLVKHICA ICGDRSSGKHVYGVYSCEGCKGFFKRTIRK DLIYTCRDNDKCLIDKRQRNRCQYCRYQKCLVMGMKREAVQ EERQRSRERAESA ECATSGHEDMPVERILEAELAVEPKTESYGDMMENSTNDPVTNICHAAADKQLFTL VEWAKRIPHFSDLTLEDQVILLRAGWNELLIASFSHRVSVVQDGILLATGLHVHRSSA

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HSAGVGSIFDRV LTELVSKMKDMQMDKSELGCLRAIVLFNPDAKGLSNPSEVETLR
 EKVVYATLEAYTKQKYPEQPGRFAKLL LRLPALRSIGLKCLEHLFFFKLGDTPIDTFLM
 EMLETPLQIT TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining.
Stability	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
Storage	Store at -80 centigrade.
Concentration	>50 ug/mL as determined by microplate BCA method.
Preparation	Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.
Protein Families	Druggable Genome, Nuclear Hormone Receptor, Transcription Factors
Protein Pathways	Adipocytokine signaling pathway, Non-small cell lung cancer, Pathways in cancer, PPAR signaling pathway, Small cell lung cancer, Thyroid cancer
Full Length	Full L.

GENE INFORMATION

Gene Name	RXRG retinoid X receptor gamma [Homo sapiens (human)]
Official Symbol	RXRG
Synonyms	RXRC; NR2B3; RXRgamma; RXR-gamma

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Gene ID	6258
mRNA Refseq	NM_006917.5
Protein Refseq	NP_008848.1
MIM	180247
UniProt ID	P48443



Coomassie blue staining of purified RXRG protein.

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