

Product datasheet for TP304093M

OriGene Technologies, Inc.

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Retinoid X Receptor gamma (RXRG) (NM_006917) Human Recombinant Protein

Product data:

Product Type: Recombinant Proteins

Description: Recombinant protein of human retinoid X receptor, gamma (RXRG), transcript variant 1, 100

μg

Species: Human
Expression Host: HEK293T

Expression cDNA Clone >RC204093 protein sequence or AA Sequence: Red=Cloning site Green=Tags(s)

MYGNYSHFMKFPAGYGGSPGHTGSTSMSPSAALSTGKPMDSHPSYTDTPVSAPRTLSAVGTPLNALGSPY RVITSAMGPPSGALAAPPGINLVAPPSSQLNVVNSVSSSEDIKPLPGLPGIGNMNYPSTSPGSLVKHICA ICGDRSSGKHYGVYSCEGCKGFFKRTIRKDLIYTCRDNKDCLIDKRQRNRCQYCRYQKCLVMGMKREAVQ EERQRSRERAESEAECATSGHEDMPVERILEAELAVEPKTESYGDMNMENSTNDPVTNICHAADKQLFTL VEWAKRIPHFSDLTLEDQVILLRAGWNELLIASFSHRSVSVQDGILLATGLHVHRSSAHSAGVGSIFDRV LTELVSKMKDMQMDKSELGCLRAIVLFNPDAKGLSNPSEVETLREKVYATLEAYTKQKYPEQPGRFAKLL

LRLPALRSIGLKCLEHLFFFKLIGDTPIDTFLMEMLETPLQIT

TRTRPLEQKLISEEDLAANDILDYKDDDDK**V**

Tag: C-Myc/DDK
Predicted MW: 50.7 kDa

Concentration: >0.05 µg/µL as determined by microplate BCA method

Purity: > 80% as determined by SDS-PAGE and Coomassie blue staining

Buffer: 25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol

Preparation: Recombinant protein was captured through anti-DDK affinity column followed by conventional

chromatography steps.

Note: For testing in cell culture applications, please filter before use. Note that you may experience

some loss of protein during the filtration process.

Storage: Store at -80°C.

Stability: Stable for 12 months from the date of receipt of the product under proper storage and

handling conditions. Avoid repeated freeze-thaw cycles.



RefSeq: NP 008848

Locus ID: 6258

UniProt ID: <u>P48443</u>, <u>F1D8Q7</u>

RefSeq Size: 2205 Cytogenetics: 1q23.3 RefSeq ORF: 1389

Synonyms: NR2B3; RXRC

Summary: 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

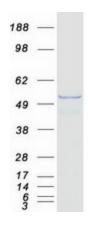
spliced transcript variants have been described. [provided by RefSeq, Jun 2010]

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

Product images:



Coomassie blue staining of purified RXRG protein (Cat# [TP304093]). The protein was produced from HEK293T cells transfected with RXRG cDNA clone (Cat# [RC204093]) using MegaTran 2.0

(Cat# [TT210002]).