

Product datasheet for PH304093

OriGene Technologies, Inc.

9620 Medical Center Drive, Ste 200 Rockville, MD 20850, US Phone: +1-888-267-4436 https://www.origene.com techsupport@origene.com EU: info-de@origene.com CN: techsupport@origene.cn

Retinoid X Receptor gamma (RXRG) (NM 006917) Human Mass Spec Standard

Product data:

Product Type: Mass Spec Standards

Description: RXRG MS Standard C13 and N15-labeled recombinant protein (NP_008848)

Species: Human **HEK293 Expression Host: Expression cDNA Clone**

or AA Sequence:

RC204093

Predicted MW: 50.9 kDa

>RC204093 protein sequence **Protein Sequence:**

Red=Cloning site Green=Tags(s)

MYGNYSHFMKFPAGYGGSPGHTGSTSMSPSAALSTGKPMDSHPSYTDTPVSAPRTLSAVGTPLNALGSPY RVITSAMGPPSGALAAPPGINLVAPPSSQLNVVNSVSSSEDIKPLPGLPGIGNMNYPSTSPGSLVKHICA ICGDRSSGKHYGVYSCEGCKGFFKRTIRKDLIYTCRDNKDCLIDKRQRNRCQYCRYQKCLVMGMKREAVQ EERQRSRERAESEAECATSGHEDMPVERILEAELAVEPKTESYGDMNMENSTNDPVTNICHAADKQLFTL VEWAKRIPHFSDLTLEDQVILLRAGWNELLIASFSHRSVSVQDGILLATGLHVHRSSAHSAGVGSIFDRV LTELVSKMKDMQMDKSELGCLRAIVLFNPDAKGLSNPSEVETLREKVYATLEAYTKQKYPEQPGRFAKLL

LRLPALRSIGLKCLEHLFFFKLIGDTPIDTFLMEMLETPLQIT

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

C-Myc/DDK Tag:

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

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

Labeling Method: Labeled with [U-13C6, 15N4]-L-Arginine and [U-13C6, 15N2]-L-Lysine

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

Store at -80°C. Avoid repeated freeze-thaw cycles. Storage:

Stable for 3 months from receipt of products under proper storage and handling conditions. Stability:

RefSeq: NP 008848

RefSeg Size: 2205 RefSeq ORF: 1389

NR2B3; RXRC Synonyms:





Locus ID: 6258

UniProt ID: P48443, F1D8Q7

Cytogenetics: 1q23.3

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

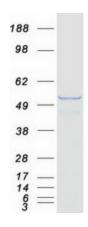
spliced transcript variants have been described. [provided by RefSeq, Jun 2010]

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]).