

Product datasheet for PH310311

Retinoid X Receptor alpha (RXRA) (NM_002957) Human Mass Spec Standard

Product data:

Product Type:	Mass Spec Standards
Description:	RXRA MS Standard C13 and N15-labeled recombinant protein (NP_002948)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC210311
Predicted MW:	50.6 kDa
Protein Sequence:	>RC210311 representing NM_002957 Red=Cloning site Green=Tags(s)

MDTKHFLPLDFSTQVNSSLTSPTRGRGSMAAPSLHPSLGPGLGSPGQLHSPISLTLSSPINGMGPPFSVISS
PMGPHMSVPTPTLGFSTGSPQLSSPMNPVSSSEDIKPLGLNGVLKVPAPSGNMASTKHICAICGD
RSSGKHYGVYSCEGCKGFFKRTVRKDLTYTCRDNKDCLIDKRQRNRCQYCRYQKCLAMGMKREAVQEERQ
RGKDRNENEVESTSSANEDMPVERILEAELAVEPKTETIYEANMGLNPSSPNDPVTNICQAADKQLFTLV
EWAKRIPHFSELPLDDQVILLRAGWNELLIASFSHRSAIVKDGILLATGLHVHRNSAHSAGVGAIFDRVL
TELVS KM RDMQMDKTELGCLRAIVLFNPDSKGLSNPAEVEALREKVYASLEAYCKHKYPEQPGRAKLLL
RLPALRSIGLKCLEHLFFFKLIGDTPIDTFLMEMLEAPHQMT

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Tag:	C-Myc/DDK
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- ¹³ C ₆ , ¹⁵ N ₄]-L-Arginine and [U- ¹³ C ₆ , ¹⁵ N ₂]-L-Lysine
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3
Storage:	Store at -80°C. Avoid repeated freeze-thaw cycles.
Stability:	Stable for 3 months from receipt of products under proper storage and handling conditions.
RefSeq:	<u>NP_002948</u>
RefSeq Size:	5449
RefSeq ORF:	1386
Synonyms:	NR2B1



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Locus ID: 6256

UniProt ID: [P19793](#), [F1D8Q5](#), [Q6P3U7](#)

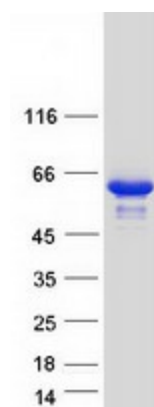
Cytogenetics: 9q34.2

Summary: Retinoid X receptors (RXRs) and retinoic acid receptors (RARs) are nuclear receptors that mediate the biological effects of retinoids by their involvement in retinoic acid-mediated gene activation. These receptors function as transcription factors by binding as homodimers or heterodimers to specific sequences in the promoters of target genes. The protein encoded by this gene is a member of the steroid and thyroid hormone receptor superfamily of transcriptional regulators. Alternative splicing of this gene results in multiple transcript variants. [provided by RefSeq, May 2014]

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 RXRA protein (Cat# [TP310311]). The protein was produced from HEK293T cells transfected with RXRA cDNA clone (Cat# [RC210311]) using MegaTran 2.0 (Cat# [TT210002]).