

## Product datasheet for **TP310311**

### Retinoid X Receptor alpha (RXRA) (NM\_002957) Human Recombinant Protein

#### Product data:

**Product Type:** Recombinant Proteins

**Description:** Recombinant protein of human retinoid X receptor, alpha (RXRA), 20 µg

**Species:** Human

**Expression Host:** HEK293T

**Expression cDNA Clone or AA Sequence:** >RC210311 representing NM\_002957

**Red**=Cloning site **Green**=Tags(s)

MDTKHFLPLDFSTQVNSSLTSPTRGRSMAAPSLHPSLGPGLGSPGQLHSPISTLSSPINGMGPPFSVISS  
PMGPHSMSVPTTPTLGFSTGSPQLSSPMNPVSSSEDIKPPLGLNGVLKVPAPHPSGNMAFTHKICAICGD  
RSSGKHYGVYSCEGCKGFFKRTVRKDLTYTCRDNDCLIDKRQRNRCQYCRYQKCLAMGMKREAVQEERQ  
RGKDRNENEVESTSSANEDMPVERILEAELAVEPKTETYVEANMGLNPSSPNDPVTNICQAADKQLFTLV  
EWAKRIPHFSELPLDDQVILLRAGWNELLIASFSHRSAIVKDGILLATGLHVHRNSAHSAGVGAIFDRVL  
TELVSKMRDMQMDKTELGLRAIVLFPDPSKGLSNPAEVEALREKVYASLEAYCKHKYPEQPGRFAKLLL  
RLPALRSIGLKCLEHLFFFKLIGDTPIDTFLMEMLEAPHQMT

**TRTRPLEQKLISEEDLAANDILDYKDDDDKV**

**Tag:** C-Myc/DDK

**Predicted MW:** 50.6 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\\_002948](#)



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Locus ID: 6256

UniProt ID: [P19793](#)

RefSeq Size: 5449

Cytogenetics: 9q34.2

RefSeq ORF: 1386

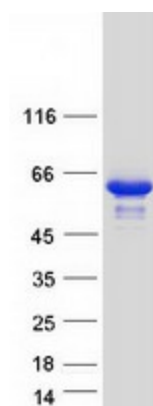
Synonyms: NR2B1

**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]).