

Product datasheet for **TP525069**

Rxra (NM_011305) Mouse Recombinant Protein

Product data:

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|---------------------------------------|---|
| Product Type: | Recombinant Proteins |
| Description: | Purified recombinant protein of Mouse retinoid X receptor alpha (Rxra), with C-terminal MYC/DDK tag, expressed in HEK293T cells, 20ug |
| Species: | Mouse |
| Expression Host: | HEK293T |
| Expression cDNA Clone or AA Sequence: | >MR225069 protein sequence Red =Cloning site Green =Tags(s) |

MDTKHFLPLDFSTQVNSSSLNSPTGRGSMVPSLHPSLPGIGSPLGSPGQLHSPISTLSSPINGMGPPF
SVISSPMGPHSMSVPTTPTLGFGTGSPQLNSPMNPVSSSTEDIKPLGLNGVLKVPAPHSNMAFSTKHIC
AICGDRSSGKHVYVYSCGCKGFFKRTVRKDLTYTCRDNKDCLIDKRQRNRCQYCRYQKCLAMGMKREAV
QEERQRGKDRNENEVESTSSANEDMPVEKILEAELAVEPKTETYVEANMGLNPSSPNDPVTNICQAADKQ
LFTLVEWAKRIPHFSELPLDDQVILLRAGWNELLIASFSHRSIAVKDGILLATGLHVHRNSAHSAGVGAI
FDRVLTELVS KM RDMQMDKTELGCLRAIVLFNPDSKGLSNPAEVEALREKVYASLEAYCKHKHYPEQPGRF
AKLLLRPALRSIGLKCLEHLFFFKLIGDTPIDTFLMEMLEAPHQAT

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

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|----------------|--|
| Tag: | C-MYC/DDK |
| Predicted MW: | 51.2 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 |
| 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 after receiving vials. |
| 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_035435 |
| Locus ID: | 20181 |



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|---------------|---|
| UniProt ID: | <u>P28700</u> , <u>A2AJP1</u> , <u>Q3UMU4</u> |
| RefSeq Size: | 5267 |
| Cytogenetics: | 2 19.38 cM |
| RefSeq ORF: | 1404 |
| Synonyms: | 9530071D11Rik; Nr2b1; RXRalpha1 |
| Summary: | <p>Receptor for retinoic acid. Retinoic acid receptors bind as heterodimers to their target response elements in response to their ligands, all-trans or 9-cis retinoic acid, and regulate gene expression in various biological processes. The RAR/RXR heterodimers bind to the retinoic acid response elements (RARE) composed of tandem 5'-AGGTCA-3' sites known as DR1-DR5. The high affinity ligand for RXRs is 9-cis retinoic acid. RXRA serves as a common heterodimeric partner for a number of nuclear receptors. In the absence of ligand, the RXR-RAR heterodimers associate with a multiprotein complex containing transcription corepressors that induce histone acetylation, chromatin condensation and transcriptional suppression. On ligand binding, the corepressors dissociate from the receptors and associate with the coactivators leading to transcriptional activation. The RXRA/PPARA heterodimer is required for PPARA transcriptional activity on fatty acid oxidation genes such as ACOX1 and the P450 system genes.[UniProtKB/Swiss-Prot Function]</p> |