# Mediator of RNA Polymerase II Transcription Subunit 24 (med24) Danio Rerio Recombinant Protein

## PRODUCT OVERVIEW

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| **Product Name** | Mediator of RNA polymerase II transcription subunit 24 (med24), Recombinant Protein |
| **Full Product Name** | Recombinant Danio rerio Mediator of RNA polymerase II transcription subunit 24 (med24), partial |
| **Product Gene Name** | med24 recombinant protein |
| **Product Synonym Gene Name** | med24 |
| **Host** | E Coli or Yeast or Baculovirus or Mammalian Cell |
| **Form/Format** | Lyophilized or liquid (Format to be determined during the manufacturing process) |
| **Purity/Purification** | Greater or equal to 85% purity as determined by SDS-PAGE. (lot specific) |
| **Preparation and Storage** | Store at -20 degrees C. For long-term storage, store at -20 degrees C or -80 degrees C. Store working aliquots at 4 degrees C for up to one week. Repeated freezing and thawing is not recommended. |
| **Molecular Weight** | 110,862 Da |
| **Tag Information** | This protein contains an N-terminal tag and may also contain a C-terminal tag. Tag types are determined by various factors including tag-protein stability, please inquire for tag information. |
| **Sterility** | Sterile filter available upon request. |
| **Endotoxin** | Low endotoxin available upon request. |
| **3D Structure** | ModBase 3D Structure for Q2PW47 |
| **Species** | Zebrafish |
| **ISO Certification** | Manufactured in an ISO 9001:2015 Certified Laboratory. |
| **Related Product Information for med24 recombinant protein** | MBS1389696 is a recombinant protein targeting med24. Also known as Recombinant Danio rerio Mediator of RNA polymerase II transcription subunit 24 (med24), partial. Host: E Coli or Yeast or Baculovirus or Mammalian Cell. |
| **Other Notes** | Small volumes of med24 recombinant protein vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply. |

## ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for med24. It may not necessarily be applicable to this product.

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| **NCBI GI #** | 84794561 |
| **NCBI GeneID** | 323621 |
| **NCBI Accession #** | NP_001034151.1 |
| **UniProt Primary Accession #** | Q2PW47 |
| **UniProt Secondary Accession #** | Q6NUW0 |
| **UniProt Related Accession #** | Q2PW47 |
| **GenBank Nucleotide #** | NM_001039062.1 |
| **NCBI Official Full Name** | mediator of RNA polymerase II transcription subunit 24 |

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| **NCBI Official Synonym Full Names** | mediator complex subunit 24 |
| **NCBI Official Symbol** | med24 |
| **NCBI Official Synonym Symbols** | thrap4; fc05c04; trap100; wu:fc05c04 |
| **UniProt Protein Name** | Mediator of RNA polymerase II transcription subunit 24 |
| **UniProt Synonym Protein Names** | Mediator complex subunit 24; Protein lessen; Thyroid hormone receptor-associated protein 4 homolog; Trap100 homolog |
| **Protein Family** | Mediator of RNA polymerase II transcription |
| **UniProt Gene Name** | med24 |
| **UniProt Synonym Gene Names** | lsn; thrap4; trap100 |
| **NCBI Protein Information** | mediator of RNA polymerase II transcription subunit 24 |
| **UniProt Comments for med24** | Component of the Mediator complex, a coactivator involved in the regulated transcription of nearly all RNA polymerase II-dependent genes. Mediator functions as a bridge to convey information from gene-specific regulatory proteins to the basal RNA polymerase II transcription machinery. Mediator is recruited to promoters by direct interactions with regulatory proteins and serves as a scaffold for the assembly of a functional preinitiation complex with RNA polymerase II and the general transcription factors (). Required for proliferation of enteric nervous system precursors. Required for the development of dopaminergic amacrine cells and rod photoreceptor cells in the retina. |
| **Research Articles on med24** | **1.** This study revealed a number of defects in the development of the enteric nervous system, interstitial cells of Cajal , and intestinal motility in the zebrafish mutant, lsn |
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