# Putative Mediator of RNA Polymerase II Transcription Subunit 21 (med21) Dictyostelium Discoideum Recombinant Protein

## PRODUCT OVERVIEW

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| **Product Name** | Putative mediator of RNA polymerase II transcription subunit 21 (med21), Recombinant Protein |
| **Full Product Name** | Recombinant Dictyostelium discoideum Putative mediator of RNA polymerase II transcription subunit 21 (med21) |
| **Product Gene Name** | med21 recombinant protein |
| **Product Synonym Gene Name** | med21 |
| **Sequence** | MDLITQLQDK LDHLLYVFGT CIGVLQRDAP PSFFNNPQNQ QQQQQQQQQQ QQQQQQQQQQ QNPQTQQQLP PPPPPPPQQQ QQQQQQQQQQ QQQQQQQQQQ QPQPTEEWDA PSKMALQVIE TSKVIESYIE KLPGFDKTED QQYEDLKNLN TQSKQVSNEL LSSRRDAIEL LKMVKESILY ISEESKNEEI DQQPMQQ |
| **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** | 23,229 Da |
| **Sequence Positions** | 1-197, Full length protein |
| **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 Q54HN4 |
| **Species** | Dictyostelium discoideum (Slime mold) |
| **ISO Certification** | Manufactured in an ISO 9001:2015 Certified Laboratory. |
| **Related Product Information for med21 recombinant protein** | MBS1376370 is a recombinant protein targeting med21. Also known as Recombinant Dictyostelium discoideum Putative mediator of RNA polymerase II transcription subunit 21 (med21). Host: E Coli or Yeast or Baculovirus or Mammalian Cell. |
| **Other Notes** | Small volumes of med21 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 med21. It may not necessarily be applicable to this product.

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| **NCBI GI #** | 66805069 |
| **NCBI GeneID** | 8627086 |
| **NCBI Accession #** | XP_636267.1 |
| **UniProt Primary Accession #** | Q54HN4 |

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| **GenBank Nucleotide #** | XM_631175.1 |
| **NCBI Official Full Name** | hypothetical protein DDB_G0289339 |
| **NCBI Official Symbol** | med21 |
| **UniProt Protein Name** | Putative mediator of RNA polymerase II transcription subunit 21 |
| **UniProt Synonym Protein Names** | Putative mediator complex subunit 21 |
| **Protein Family** | Putative mediator of RNA polymerase II transcription |
| **UniProt Gene Name** | med21 |
| **NCBI Protein Information** | hypothetical protein |
| **UniProt Comments for med21** | 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 (). |
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