Mediator of RNA Polymerase II Transcription Subunit 8 (MED8) Human Recombinant Protein

PRODUCT OVERVIEW

Product Name	Mediator of RNA polymerase II transcription subunit 8 (MED8), Recombinant Protein
Full Product Name	Recombinant Human Mediator of RNA polymerase II transcription subunit 8 (MED8)
Product Gene Name	MED8 recombinant protein
Product Synonym Gene Name	MED8
Sequence	MQREEKQLEA SLDALLSQVA DLKNSLGSFI CKLENEYGRL TWPSVLDSFA LLSGQLNTLN KVLKHEKTPL FRNQVIIPLV LSPDRDEDLM RQTEGRVPVF SHEVVPDHLR TKPDPEVEEQ EKQLTTDAAR IGADAAQKQI QSLNKMCSNL LEKISKEERE SESGGLRPNK QTFNPTDTNA LVAAVAFGKG LSNWRPSGSS GPGQAGQPGA GTILAGTSGL QQVQMAGAPS QQQPMLSGVQ MAQAGQPGKM PSGIKTNIKS ASMHPYQR
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	19,002 Da
Sequence Positions	1-268, 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.
OMIM	607956
3D Structure	ModBase 3D Structure for Q96G25
Species	Human
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for MED8 recombinant protein	This gene encodes a protein that is one of more than 20 subunits of the mediator complex, first identified in S. cerevisiae, that is required for activation of transcription. The product of this gene also interacts with elongins B and C, and CUL2 and RBX1, to reconstitute a ubiquitin ligase. Two alternative transcripts encoding different isoforms have been described.
Other Notes	Small volumes of MED8 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.
Searchable Terms for MED8 purchase	MBS1337866 is a recombinant protein targeting MED8. Also known as Recombinant Human Mediator of RNA polymerase II transcription subunit 8 (MED8). Host: E Coli or Yeast or Baculovirus or Mammalian Cell.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for MED8. It may not necessarily be applicable to this product.

NCBI GI #	48762704

NCBI GeneID	112950
NCBI Accession #	NP_001001653.1
UniProt Primary Accession #	Q96G25
UniProt Secondary Accession #	Q5JUY8; Q96FQ4; A9IZ91; A9IZ92
UniProt Related Accession #	Q96G25
GenBank Nucleotide #	NM_001001653.2
NCBI Official Full Name	mediator of RNA polymerase II transcription subunit 8 isoform 1
NCBI Official Synonym Full Names	mediator complex subunit 8
NCBI Official Symbol	MED8
NCBI Official Synonym Symbols	ARC32
UniProt Protein Name	Mediator of RNA polymerase II transcription subunit 8
UniProt Synonym Protein Names	Activator-recruited cofactor 32 kDa component; ARC32; Mediator complex subunit 8
Protein Family	Mediator of RNA polymerase II transcription
UniProt Gene Name	MED8
UniProt Synonym Gene Names	ARC32
NCBI Protein Information	mediator of RNA polymerase II transcription subunit 8
NCBI Summary for MED8	This gene encodes a protein component of the mediator complex, which aids in transcriptional activation through interaction with RNA polymerase II and gene-specific transcription factors. The encoded protein may also function in ubiquitin ligation and protein degradation. Alternatively spliced transcript variants encoding multiple isoforms have been observed for this gene. [provided by RefSeq, Jan 2013]
UniProt Comments for MED8	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. May play a role as a target recruitment subunit in E3 ubiquitin-protein ligase complexes and thus in ubiquitination and subsequent proteasomal degradation of target proteins.
Research Articles on MED8	**1.** ability to inhibit both host transcription and the interferon response is linked to interaction of NSs with the MED8 component of Mediator, a protein complex necessary for mRNA production
Precautions	All of MyBioSource's Products are for scientific laboratory research purposes and are not for diagnostic, therapeutics, prophylactic or in vivo use. Through your purchase, you expressly represent and warrant to MyBioSource that you will properly test and use any Products purchased from MyBioSource in accordance with industry standards. MyBioSource and its authorized distributors reserve the right to refuse to process any order where we reasonably believe that the intended use will fall outside of our acceptable guidelines.
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