Mediator of RNA Polymerase II Transcription Subunit 22 (MED22) Mouse Recombinant Protein

PRODUCT OVERVIEW

Product Name	Mediator of RNA polymerase II transcription subunit 22 (Med22), Recombinant Protein
Full Product Name	Recombinant Mouse Mediator of RNA polymerase II transcription subunit 22 (Med22)
Product Gene Name	Med22 recombinant protein
Product Synonym Gene Name	Med22
Sequence	MAQQRALPQS KETLLQSYNK RLKDDIKSIM DNFTEIIKTA KIEDETQVSR ATQGEQDNYE MHVRAANIVR AGESLMKLVS DLKQFLILND FPSVNEAIDQ RNQQLRALQE ECDRKLITLR DEVSIDLYEL EEEYYSSSSS LCEANDLPLC EAYWRLDLDA DSADGLSAPL LASPETGAGP LQSAAPVHSH GGGPGPTEHT
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	16,436 Da
Sequence Positions	1-200, 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 Q62276
Species	Mouse
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for Med22 recombinant protein	This gene is located in the surfeit gene cluster, a group of very tightly linked housekeeping genes that do not share sequence similarity. The gene is oriented in a head-to-head fashion with RPL7A (SURF3) and the two genes share a bidirectional promoter. The encoded proteins are localized to the cytoplasm. Two alternative transcript variants encoding different isoforms have been identified for this gene.
Other Notes	Small volumes of Med22 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 Med22 purchase	MBS1410126 is a recombinant protein targeting Med22. Also known as Recombinant Mouse Mediator of RNA polymerase II transcription subunit 22 (Med22). Host: E Coli or Yeast or Baculovirus or Mammalian Cell.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for Med22. It may not necessarily be applicable to this product.

NCBI GI #	76781479
NCBI GeneID	20933

NCBI Accession #	NP_001029080.1
UniProt Primary Accession #	Q62276
UniProt Secondary Accession #	Q3TTZ9; A2ALA2
UniProt Related Accession #	Q62276
GenBank Nucleotide #	NM_001033908.1
NCBI Official Full Name	mediator of RNA polymerase II transcription subunit 22 isoform 2
NCBI Official Synonym Full Names	mediator complex subunit 22
NCBI Official Symbol	Med22
NCBI Official Synonym Symbols	Surf5; Surf-5; AW212655; AW558812
UniProt Protein Name	Mediator of RNA polymerase II transcription subunit 22
UniProt Synonym Protein Names	Mediator complex subunit 22; Surfeit locus protein 5; Surf-5
Protein Family	Mediator of RNA polymerase II transcription
UniProt Gene Name	Med22
UniProt Synonym Gene Names	Surf5; Surf-5
NCBI Protein Information	mediator of RNA polymerase II transcription subunit 22
UniProt Comments for Med22	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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