Mediator of RNA Polymerase II Transcription Subunit 3 (PGD1) Ashbya Gossypii Recombinant Protein

PRODUCT OVERVIEW

Product Name	Mediator of RNA polymerase II transcription subunit 3 (PGD1), Recombinant Protein
Full Product Name	Recombinant Ashbya gossypii Mediator of RNA polymerase II transcription subunit 3 (PGD1)
Product Gene Name	PGD1 recombinant protein
Product Synonym Gene Name	PGD1; MED3; AFR486C
Product Synonym Names	Mediator of RNA polymerase II transcription subunit 3; Mediator complex subunit 3
Sequence	MGSNIDGILR ENLTLEELQE WLTSSEGNKL AIDDHIKATQ GRVLPLRLLF NEFLRTISHI EQLSDKTPQE KFQLIRSKLQ ELYGKLHALV RDFQRLQPLF DTMVPFSETS ERKFYPKETL GTAVEPVRPL ASPSYRRPSN RSSADTPSSN APTPSAAVVS GAALVAPQVK HQRRPRTNTA KRQPSVSASV VPSANSSGPA TIPGATPLML SGMSPLNMVA SPLNGISPSR KPAQPHHQTT PSAALGMQPM QQKQMSIQAK ATPSKSGTIS SANLTPQSIL NMSAFENSAG GVPNSAVPLN QNNNAIMGFP TDIDNIDLNA LELGSLNMDL LG
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	35,772 Da
Sequence Positions	1-332aa; 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 Q752T7
Species	Ashbya gossypii (strain 10895 / CBS 109.51 / FGSC 9923 / NRRL Y-1056) (Yeast) (Eremothecium gossypii)
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for PGD1 recombinant protein	MBS1340634 is a recombinant protein targeting PGD1. Also known as Recombinant Ashbya gossypii Mediator of RNA polymerase II transcription subunit 3 (PGD1). Host: E Coli or Yeast or Baculovirus or Mammalian Cell.
Other Notes	Small volumes of PGD1 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 PGD1. It may not necessarily be applicable to this product.

NCBI GI #	302308897
NCBI GeneID	4622312
NCBI Accession #	NP_986033.2

UniProt Primary Accession #	Q752T7
UniProt Related Accession #	Q752T7
GenBank Nucleotide #	NM_212169.2
NCBI Official Full Name	AFR486Cp
NCBI Official Symbol	AGOS_AFR486C
UniProt Protein Name	Mediator of RNA polymerase II transcription subunit 3
UniProt Synonym Protein Names	Mediator complex subunit 3
Protein Family	Mediator of RNA polymerase II transcription
UniProt Gene Name	PGD1
UniProt Synonym Gene Names	MED3
UniProt Entry Name	MED3_ASHGO
NCBI Protein Information	AFR486Cp
UniProt Comments for PGD1	Component of the Mediator complex, a coactivator involved in regulated gene 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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