Max Dimerization Protein 1 (mxd1) Xenopus Laevis Recombinant Protein

PRODUCT OVERVIEW

Product Name	Max dimerization protein 1 (mxd1), Recombinant Protein
Full Product Name	Recombinant Xenopus laevis Max dimerization protein 1 (mxd1)
Product Gene Name	mxd1 recombinant protein
Product Synonym Gene Name	mxd1
Sequence	MAAPVCVNIQ MLLEAAEYLE RREREAEHGY ASMLPYNSKE RDGLKRKSKS KKSSSSRSTH NEMEKNRRAH LRLCLEKLKM LVPLGPESNR HTTLSLLMRA KLHIKKLEDC DKRSVHQIEQ LQREQRHLTR QLEKFGVERT RMDSIGSAMS SERSDSDREE IDVDVESTDY LTAELDWSSS SSSVSDLDER ESMQSICSDE GYSSSGLKSI GLQNNPKSIA L
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	25,233 Da
Sequence Positions	1-221, 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 Q0VH34
Species	Xenopus laevis (African clawed frog)
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for mxd1 recombinant protein	MBS1366695 is a recombinant protein targeting mxd1. Also known as Recombinant Xenopus laevis Max dimerization protein 1 (mxd1). Host: E Coli or Yeast or Baculovirus or Mammalian Cell.
Other Notes	Small volumes of mxd1 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 mxd1. It may not necessarily be applicable to this product.

NCBI GI #	148231111
NCBI GeneID	779097
NCBI Accession #	NP_001090200.1
UniProt Primary Accession #	Q0VH34
UniProt Related Accession #	Q0VH34

GenBank Nucleotide #	NM_001096731.1
NCBI Official Full Name	max dimerization protein 1
NCBI Official Synonym Full Names	MAX dimerization protein 1 L homeolog
NCBI Official Symbol	mxd1.L
NCBI Official Synonym Symbols	mxd1; xmad1
UniProt Protein Name	Max dimerization protein 1
UniProt Synonym Protein Names	Protein MAD
Protein Family	Max dimerization protein
UniProt Gene Name	mxd1
UniProt Synonym Gene Names	mad1; Max dimerizer 1
NCBI Protein Information	max dimerization protein 1
UniProt Comments for mxd1	Transcriptional repressor. MAD binds with MAX to form a sequence-specific DNA-binding protein complex which recognizes the core sequence 5'-CAC[GA]TG-3'. MAD thus antagonizes MYC transcriptional activity by competing for MAX ().
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