Doublesex- and Mab-3-Related Transcription Factor 1a (dmrt1-a) Xenopus Laevis Recombinant Protein

PRODUCT OVERVIEW

Product Name	Doublesex- and mab-3-related transcription factor 1A (dmrt1-a), Recombinant Protein
Full Product Name	Recombinant Xenopus laevis Doublesex- and mab-3-related transcription factor 1A (dmrt1-a)
Product Gene Name	dmrt1-a recombinant protein
Product Synonym Gene Name	dmrt1-a
Sequence	MQNNEEPYSK TRNSGQHPSG VHTKKSPRLP KCARCRNHGY ASPLKGHKRY CMWRDCQCKK CSLIAERQRV MAAQVALRRQ QAQEEELGIS HPIHLPIAAE LLIKKEHGGS SSCLMLENSS TQTTSTPTSG STASSEGKVL IQEIPSITSR GHMESTSDLV MDSPYYSNFY QPPLYPYYNN LYNYPPYQMA MAAESTSGND MGGISGPPLK NNHRNHPAAY VPSQSGNQWQ MKNRENRFPG HSGSSQFRMH SYYPPYLGQS VPNPACVPPF LTFEEIPSYS EAKASVLSPP SSQDSGVISL SSNSPVSNES TKAVAEQEPN SESSLFTVTT AAENGE
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	36,999 Da
Sequence Positions	1-336, 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 Q3LH63
Species	Xenopus laevis (African clawed frog)
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for dmrt1-a recombinant protein	MBS1355813 is a recombinant protein targeting dmrt1-a. Also known as Recombinant Xenopus laevis Doublesex- and mab-3-related transcription factor 1A (dmrt1-a). Host: E Coli or Yeast or Baculovirus or Mammalian Cell.
Other Notes	Small volumes of dmrt1-a 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 dmrt1-a. It may not necessarily be applicable to this product.

NCBI GI #	147902966
NCBI GeneID	735040
NCBI Accession #	NP_001089969.1
UniProt Primary Accession #	Q3LH63

UniProt Secondary Accession #	A4PBN6; B7ZPD0
UniProt Related Accession #	Q3LH63
GenBank Nucleotide #	NM_001096500.1
NCBI Official Full Name	doublesex- and mab-3-related transcription factor 1A
NCBI Official Synonym Full Names	doublesex and mab-3 related transcription factor 1 L homeolog
NCBI Official Symbol	dmrt1.L
NCBI Official Synonym Symbols	dmt1; dmrt1; dmrt1-a; dmrt1-b; dmrt1-alpha
UniProt Protein Name	Doublesex- and mab-3-related transcription factor 1A
UniProt Synonym Protein Names	DMRT1-alpha
Protein Family	Doublesex- and mab-3-related transcription factor
UniProt Gene Name	dmrt1-a
UniProt Synonym Gene Names	dmrt1; xDmrt1
NCBI Protein Information	doublesex- and mab-3-related transcription factor 1A
UniProt Comments for dmrt1-a	Transcription factor that plays a key role in male sex determination and differentiation by controlling testis development and germ cell proliferation. Acts both as a transcription repressor and activator.
Research Articles on dmrt1-a	**1.** DMRT1 and its W-linked paralogue, DM-W, have opposite roles in sexual dimorphism of Xenopus laevis
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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