Protein Mab-21-Like 2-A (mab21l2-a) Xenopus Laevis Recombinant Protein

PRODUCT OVERVIEW

Product Name	Protein mab-21-like 2-A (mab21l2-a), Recombinant Protein
Full Product Name	Recombinant Xenopus laevis Protein mab-21-like 2-A (mab21l2-a)
Product Gene Name	mab21l2-a recombinant protein
Product Synonym Gene Name	mab21l2-a
Sequence	MIAAQAKLVY QLNKYYSERC QARKGAIAKT IREVCKVVSD VLKEVEVQEP RFISSLTEID ARYEGLEVVC PTEFEVVLYL NQMGVFNFVD DGSLPGCAVL KLSDGRKRSM SLWVEFITAS GYLSARKIRS RFQTLVAQAV DKCSYRDVVK MIADTSEVKL RIRERYIVQI TPAFKCTGIW PRSAAQWPLP HIPWPGPNRV AEVKAEGFNL LSKECYSLTG KQSSAESDAW VLQFAEAENR LLLGGCRGKC LSVLKTLRDR HLELPGQPLN NYHMKTLLLY ECEKHPRETD WDEACLGDRL NGILLQLISC LQCRRCPHYF LPNLDLFQGK PHSALESAAK QTWRLAREIL TNPKSLDKL
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	40,830 Da
Sequence Positions	1-359, 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 Q9I9K2
Species	Xenopus laevis (African clawed frog)
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for mab21l2-a recombinant protein	MBS1332128 is a recombinant protein targeting mab21l2-a. Also known as Recombinant Xenopus laevis Protein mab-21-like 2-A (mab21l2-a). Host: E Coli or Yeast or Baculovirus or Mammalian Cell.
Other Notes	Small volumes of mab21l2-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 mab21l2-a. It may not necessarily be applicable to this product.

NCBI GI #	147901167
NCBI GeneID	399091
NCBI Accession #	NP_001083740.1
UniProt Primary Accession #	Q9I9K2

UniProt Secondary Accession #	O73740
UniProt Related Accession #	Q9I9K2
GenBank Nucleotide #	NM_001090271.1
NCBI Official Full Name	protein mab-21-like 2-A
NCBI Official Synonym Full Names	mab-21-like 2 L homeolog
NCBI Official Symbol	mab21l2.L
NCBI Official Synonym Symbols	Mab21l1; mab21l2; xmab-21; mab21l2-a; mab21l2-b
UniProt Protein Name	Protein mab-21-like 2-A
UniProt Synonym Protein Names	XMab21l2; Xmab-21
Protein Family	Protein mab
UniProt Gene Name	mab21l2-a
UniProt Synonym Gene Names	mab21l2; Xmab-21
NCBI Protein Information	protein mab-21-like 2-A
UniProt Comments for mab21l2-a	Required for normal development of the eye (). May promote dorsalization of the developing embryo by antagonizing the ventralizing factor bmp4. Functional antagonism of bmp4 may require interaction with smad1. Required for gastrulation and subsequent neural development. May function as a transcriptional repressor.
Research Articles on mab21l2-a	**1.** Mab21l2 antagonizes the effects of Bone Morphogenetic Protein 4 overexpression in vivo, rescuing the dorsal axis and restoring wild-type distribution of Chordin and Xvent2 transcripts in Xenopus gastrulae.
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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