Bone Morphogenetic Protein 3b (gdf10) Xenopus Laevis Recombinant Protein

PRODUCT OVERVIEW

Product Name	Bone morphogenetic protein 3B (gdf10), Recombinant Protein
Full Product Name	Recombinant Xenopus laevis Bone morphogenetic protein 3B (gdf10)
Product Gene Name	gdf10 recombinant protein
Product Synonym Gene Name	gdf10
Sequence	QWDEPRVCSR RYLKVDFADI GWSEWIISPK SFDAYYCSGA CEFPMAKVVR PSNHATIQSI VKAVGIIPGV PEPCCTPDMM NSLSVLFLDE GRNMVLKVYP NMSVESCSCR
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	50,657 Da
Sequence Positions	334-443, 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 Q7T2X6
Species	Xenopus laevis (African clawed frog)
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for gdf10 recombinant protein	MBS1347453 is a recombinant protein targeting gdf10. Also known as Recombinant Xenopus laevis Bone morphogenetic protein 3B (gdf10). Host: E Coli or Yeast or Baculovirus or Mammalian Cell.
Other Notes	Small volumes of gdf10 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 gdf10. It may not necessarily be applicable to this product.

NCBI GI #	148231103
NCBI GeneID	398614
NCBI Accession #	NP_001082633.1
UniProt Primary Accession #	Q7T2X6
UniProt Related Accession #	Q7T2X6
GenBank Nucleotide #	NM_001089164.1

NCBI Official Full Name	growth/differentiation factor 10
NCBI Official Synonym Full Names	growth differentiation factor 10 L homeolog
NCBI Official Symbol	gdf10.L
NCBI Official Synonym Symbols	bmp3b; gdf10; gdf-10; xBMP-3b
UniProt Protein Name	Growth/differentiation factor 10
UniProt Synonym Protein Names	Bone morphogenetic protein 3B; BMP-3B; xBMP-3B
Protein Family	Growth/differentiation factor
UniProt Gene Name	gdf10
UniProt Synonym Gene Names	bmp3b; GDF-10; BMP-3B; xBMP-3B
NCBI Protein Information	growth/differentiation factor 10
UniProt Comments for gdf10	Dorsalizing factor. Antagonizes mesoderm formation by nodal-like proteins and ventralizing BMPs. Cooperates with cer1 to promote embryonic head formation.
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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