Nodal Homolog 3-B (nodal3-b) Xenopus Laevis Recombinant Protein

PRODUCT OVERVIEW

Product Name	Nodal homolog 3-B (nodal3-b), Recombinant Protein
Full Product Name	Recombinant Xenopus laevis Nodal homolog 3-B (nodal3-b)
Product Gene Name	nodal3-b recombinant protein
Product Synonym Gene Name	nodal3-b
Sequence	NKKEKTQIHV STGPPKPIEE IKPKCKKVDM FVDFQKIGWG SWIVYPKAYN AYRCESTCAV PLNETENATN HSYIKSLLPL SDMERKECPS CVPVKMMSMS MLYYENEDFI LRHHEEMIVE ECGFKDM
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	46,044 Da
Sequence Positions	275-401, 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 Q91621
Species	Xenopus laevis (African clawed frog)
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for nodal3-b recombinant protein	MBS1347710 is a recombinant protein targeting nodal3-b. Also known as Recombinant Xenopus laevis Nodal homolog 3-B (nodal3-b). Host: E Coli or Yeast or Baculovirus or Mammalian Cell.
Other Notes	Small volumes of nodal3-b 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 nodal3-b. It may not necessarily be applicable to this product.

NCBI GI #	148228505
NCBI GeneID	373597
NCBI Accession #	NP_001079065.1
UniProt Primary Accession #	Q91621
UniProt Related Accession #	Q91621
GenBank Nucleotide #	NM_001085596.1

NCBI Official Full Name	nodal homolog 3-B
NCBI Official Synonym Full Names	nodal homolog 3, gene 2 L homeolog
NCBI Official Symbol	nodal3.2.L
NCBI Official Synonym Symbols	fug; fug-A; nodal3-B; nodal3.2; nodal3.3
UniProt Protein Name	Nodal homolog 3-B
UniProt Synonym Protein Names	Fugacin; Nodal-related protein 3-B; Xnr3-B
Protein Family	Nodal
UniProt Gene Name	nodal3-b
NCBI Protein Information	nodal homolog 3-B
UniProt Comments for nodal3-b	Exhibits mesoderm-dorsalizing activity and neural-inducing activity, but lacks mesoderm-inducing activity. Regulates the expression of specific mesodermal and neural genes. Induces convergent extension movements at the embryonic midline by activating the fgf signaling pathway to induce t/bra expression in the organizer region. Acts with wnt11 to induce Spemann organizer cells and induce axis formation. The unprocessed protein antagonizes bmp-signaling ().
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