Anamorsin (ciapin1) Tetraodon Nigroviridis Recombinant Protein

PRODUCT OVERVIEW

Product Name	Anamorsin (ciapin1), Recombinant Protein
Full Product Name	Recombinant Tetraodon nigroviridis Anamorsin (ciapin1)
Product Gene Name	ciapin1 recombinant protein
Product Synonym Gene Name	ciapin1
Sequence	MATLGIKAGE NVLMVWAQPS KPATLKDYAE ELSSIVGTDG KVSVENVDRL LLSSHSASTF DCAVSCVLAD SSAVHSLDTL AELARVLKPG GKLILEEVVT GAEAQRERTS EKLVSTLKLS GFTSVTEISK AELSPDALSA IRTATGYQGN ALFRIRMSAS KPDFEVGSSS QIKLSFGNKA PRPADKPAPD PNTVKMWMLS ANDMNDDDLD LVDSDSLLDE EDLKKPDPSS LKASTCGEAA GKKKKACKNC TCGLAEELEQ ESKEKEKTNL PKSACGSCYL GDAFRCASCP YLGMPAFKPG EKILLDNKTL TDA
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	33,334 Da
Sequence Positions	1-313, 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 Q4SK88
Species	Tetraodon nigroviridis (Spotted green pufferfish) (Chelonodon nigroviridis)
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for ciapin1 recombinant protein	MBS1309225 is a recombinant protein targeting ciapin1. Also known as Recombinant Tetraodon nigroviridis Anamorsin (ciapin1). Host: E Coli or Yeast or Baculovirus or Mammalian Cell.
Other Notes	Small volumes of ciapin1 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 ciapin1. It may not necessarily be applicable to this product.

NCBI GI #	82265928
NCBI Accession #	Q4SK88.1
UniProt Primary Accession #	Q4SK88
NCBI Official Full Name	Anamorsin
UniProt Protein Name	Anamorsin

UniProt Synonym Protein Names	Cytokine-induced apoptosis inhibitor 1
Protein Family	Anamorsin
UniProt Gene Name	ciapin1
UniProt Comments for ciapin1	Component of the cytosolic iron-sulfur (Fe-S) protein assembly (CIA) machinery required for the maturation of extramitochondrial Fe-S proteins. Part of an electron transfer chain functioning in an early step of cytosolic Fe-S biogenesis, facilitating the de novo assembly of a [4Fe-4S] cluster on the scaffold complex NUBP1-NUBP2. Electrons are transferred to CIAPIN1 from NADPH via the FAD- and FMN-containing protein NDOR1. NDOR1-CIAPIN1 are also required for the assembly of the diferric tyrosyl radical cofactor of ribonucleotide reductase (RNR), probably by providing electrons for reduction during radical cofactor maturation in the catalytic small subunit. Has anti-apoptotic effects in the cell. Involved in negative control of cell death upon cytokine withdrawal. Promotes development of hematopoietic cells.
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