Actin-Related Protein 2/3 Complex Subunit 3 (ARPC3) Bovine Recombinant Protein

PRODUCT OVERVIEW

Product Name	Actin-related protein 2/3 complex subunit 3 (ARPC3), Recombinant Protein
Full Product Name	Recombinant Bovine Actin-related protein 2/3 complex subunit 3 (ARPC3)
Product Gene Name	ARPC3 recombinant protein
Product Synonym Gene Name	ARPC3
Sequence	PAYHSSLMDP DTKLIGNMAL LPIRSQFKGP APRETKDTDI VDEAIYYFKA NVFFKNYEIK NEADRTLIYI TLYISECLKK LQKCNSKSQG EKEMYTLGIT NFPIPGEPGF PLNAIYAKPA NKQEDEVMRA YLQQLRQETG LRLCEKVFDP QNDKPSKWWT CFVKRQFMNK SLSGPGQ
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	20,547 Da
Sequence Positions	2-178, 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 Q3T035
Species	Bovine
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for ARPC3 recombinant protein	This gene encodes one of seven subunits of the human Arp2 3 protein complex. The Arp2 3 protein complex has been implicated in the control of actin polymerization in cells and has been conserved through evolution. The exact role of This protein, the p21 subunit, has yet to be determined.
Other Notes	Small volumes of ARPC3 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.
Searchable Terms for ARPC3 purchase	MBS1315015 is a recombinant protein targeting ARPC3. Also known as Recombinant Bovine Actin-related protein 2/3 complex subunit 3 (ARPC3). Host: E Coli or Yeast or Baculovirus or Mammalian Cell.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for ARPC3. It may not necessarily be applicable to this product.

NCBI GI #	77735497
NCBI GeneID	506596
NCBI Accession #	NP_001029443.1

UniProt Primary Accession #	Q3T035
UniProt Related Accession #	Q3T035
GenBank Nucleotide #	NM_001034271.2
NCBI Official Full Name	actin-related protein 2/3 complex subunit 3
NCBI Official Symbol	ARPC3
UniProt Protein Name	Actin-related protein 2/3 complex subunit 3
UniProt Synonym Protein Names	Arp2/3 complex 21 kDa subunit; p21-ARC
Protein Family	Actin-related protein 2/3 complex
UniProt Gene Name	ARPC3
UniProt Synonym Gene Names	p21-ARC
NCBI Protein Information	actin-related protein 2/3 complex subunit 3
UniProt Comments for ARPC3	Functions as component of the Arp2/3 complex which is involved in regulation of actin polymerization and together with an activating nucleation-promoting factor (NPF) mediates the formation of branched actin networks.
Research Articles on ARPC3	**1.** The GMF-Arp2 interface reveals how the ADF-H actin-binding domain in GMF is exploited to specifically recognize Arp2/3 complex and not actin.
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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