Actin-Related Protein 2-B (actr2b) Danio Rerio Recombinant Protein

PRODUCT OVERVIEW

Product Name	Actin-related protein 2-B (actr2b), Recombinant Protein
Full Product Name	Recombinant Danio rerio Actin-related protein 2-B (actr2b)
Product Gene Name	actr2b recombinant protein
Product Synonym Gene Name	actr2b
Sequence	MDSQGRKVVV CDNGTGFVKC GYAGSNFPEH IFPALVGRPI IRSTAKVGNI EIKDLMVGDE ASELRSMLEV NYPMENGIVR NWDDMKHLWD YTFGPEKLNI NSRDCKILLT EPPMNPTKNR EKIIEVMFET YQFTGVYIAI QAVLTLYAQG LLTGVVVDSG DGVTHICPVY EGFSLPHLTR RLDIAGRDIT RYLIKLLLLR GYAFNHSADF ETVRMMKENL CYVGYNIEQE QKLALETTVL VESYTLPDGR VIKVGGERFE APEALFQPHL INVEGVGVAE LLFNTIQAAD IDTRAEFYKH IVLSGGSTMY PGLPSRLERE LKQLYLERVL KGDVDKLSKF KIRIEDPPRR KHMVFLGGAV LADIMKDKDN FWLTREEYQE KGVRVLEKLG VTVR
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	44,702 Da
Sequence Positions	1-394, 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 Q56A35
Species	Zebrafish
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for actr2b recombinant protein	MBS1386893 is a recombinant protein targeting actr2b. Also known as Recombinant Danio rerio Actin-related protein 2-B (actr2b). Host: E Coli or Yeast or Baculovirus or Mammalian Cell.
Other Notes	Small volumes of actr2b 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 actr2b. It may not necessarily be applicable to this product.

NCBI GI #	62955061
NCBI GeneID	554861
NCBI Accession #	NP_001017542.1
UniProt Primary Accession #	Q56A35

UniProt Related Accession #	Q56A35
GenBank Nucleotide #	NM_001017542.2
NCBI Official Full Name	actin-related protein 2-B
NCBI Official Synonym Full Names	ARP2 actin related protein 2b homolog
NCBI Official Symbol	actr2b
NCBI Official Synonym Symbols	actr2; zgc:110550
UniProt Protein Name	Actin-related protein 2-B
UniProt Synonym Protein Names	Actin-like protein 2-B
Protein Family	Actin-related protein
UniProt Gene Name	actr2b
UniProt Synonym Gene Names	arp2b
NCBI Protein Information	actin-related protein 2-B
UniProt Comments for actr2b	Functions as ATP-binding 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. Seems to contact the pointed end of the daughter actin filament ().
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