Actin-Related Protein 4 (arp4) Neosartorya Fumigata Recombinant Protein

PRODUCT OVERVIEW

Product Name	Actin-related protein 4 (arp4), Recombinant Protein
Full Product Name	Recombinant Neosartorya fumigata Actin-related protein 4 (arp4)
Product Gene Name	arp4 recombinant protein
Product Synonym Gene Name	arp4; AFUA_2G06110
Product Synonym Names	Actin-related protein 4; Actin-like protein arp4; Actin-like protein 4
Sequence	MLIAICVQDE ISAIVLDPGF STTRAGFAGE DTPKSVIPTY YGKYTYEAQE KLIFGDDIFV TPRPGLSIHN PMGRDGVVED WDMAEKVWEY SFTSRLTGPK AGNPFQNGLN DVANGELPSE MEGVETEEKP LADSPLLMTE CGWNPTKARE KTVEIAMEKW GTPAFYLARN GVLAAFAAGK ASALVVDVGA SNISVTPVHD GMILKRGVQH SPLGGDYISS QLRALFKTNS PQPITITPHY LVASKTAVDA GQPAQAKYKT FPPDKAPDAS YRTLMEERTL SEFKECVVQV WPGPNKLSAT GPNGVSNEEV AKSSPGRPFE FPDGYNQVFG IDRYRVVESL FDAKAAIPDP ESVFPAPTQA QTVPELIKAA LNGVDVDVRP HLLANVVVTG ASSLLYGFTD RLNQELMQSY PGPRVRISAS GNTAERKFGS WVGGSILASL GTFHQMWISK KEYDEHGPNI VEKRCK
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	50,692 Da
Sequence Positions	1-466aa; 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 Q4WHA3
Species	Neosartorya fumigata (strain MYA-4609 / Af293 / CBS 101355 / FGSC A1100) (Aspergillus fumigatus)
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for arp4 recombinant protein	MBS1326208 is a recombinant protein targeting arp4. Also known as Recombinant Neosartorya fumigata Actin-related protein 4 (arp4). Host: E Coli or Yeast or Baculovirus or Mammalian Cell.
Other Notes	Small volumes of arp4 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 arp4. It may not necessarily be applicable to this product.

NCBI GI #	70989781
NCBI GeneID	3506643
NCBI Accession #	XP_749740.1

UniProt Primary Accession #	Q4WHA3
UniProt Related Accession #	Q4WHA3
GenBank Nucleotide #	XM_744647.1
NCBI Official Full Name	chromatin remodeling and histone acetyltransferase complexes subunit (Arp4) putative
NCBI Official Symbol	AFUA_2G06110
UniProt Protein Name	Actin-related protein 4
UniProt Synonym Protein Names	Actin-like protein arp4; Actin-like protein 4
Protein Family	Actin-related protein
UniProt Gene Name	arp4
UniProt Synonym Gene Names	Actin-like protein 4
UniProt Entry Name	ARP4_ASPFU
NCBI Protein Information	chromatin remodeling and histone acetyltransferase complexes subunit (Arp4) putative
UniProt Comments for arp4	Chromatin interaction component of the NuA4 histone acetyltransferase complex which is involved in transcriptional activation of selected genes principally by acetylation of nucleosomal histone H4 and H2A. The NuA4 complex is also involved in DNA repair. Is required for NuA4 complex integrity. Component of the SWR1 complex which mediates the ATP-dependent exchange of histone H2A for the H2A variant HZT1 leading to transcriptional regulation of selected genes by chromatin remodeling. Component of the INO80 complex which remodels chromatin by shifting nucleosomes and is involved in DNA repair ().
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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