Proteasome-Associated Atpase (arc) Frankia Sp. Recombinant Protein

PRODUCT OVERVIEW

Product Name	Proteasome-associated ATPase (arc), Recombinant Protein
Full Product Name	Recombinant Frankia sp. Proteasome-associated ATPase (arc), partial
Product Gene Name	arc recombinant protein
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	66,589 Da
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 A8LH57
Species	Frankia sp. (strain EAN1pec)
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for arc recombinant protein	MBS1151939 is a recombinant protein targeting arc. Also known as Recombinant Frankia sp. Proteasome-associated ATPase (arc), partial. Host: E Coli or Yeast or Baculovirus or Mammalian Cell.
Other Notes	Small volumes of arc 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 arc. It may not necessarily be applicable to this product.

NCBI GI #	521298097
NCBI Accession #	WP_020462365.1
UniProt Primary Accession #	A8LH57
GenBank Nucleotide #	WP_020462365.1
NCBI Official Full Name	proteasome-associated ATPase
UniProt Protein Name	Proteasome-associated ATPase
UniProt Synonym Protein Names	AAA ATPase forming ring-shaped complexes
Protein Family	AAA ATPase forming ring-shaped complexes
UniProt Gene Name	arc
UniProt Synonym Gene Names	ARC

UniProt Comments for arc	ATPase which is responsible for recognizing, binding, unfolding and translocation of pupylated proteins into the bacterial 20S proteasome core particle. May be essential for opening the gate of the 20S proteasome via an interaction with its C-terminus, thereby allowing substrate entry and access to the site of proteolysis. Thus, the C-termini of the proteasomal ATPase may function like a 'key in a lock' to induce gate opening and therefore regulate proteolysis.
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