ADP-Ribosylation Factor 1 (ARF1) Saccharomyces Cerevisiae Recombinant Protein

PRODUCT OVERVIEW

Product Name	ADP-ribosylation factor 1 (ARF1), Recombinant Protein
Full Product Name	Recombinant Saccharomyces cerevisiae ADP-ribosylation factor 1 (ARF1)
Product Gene Name	ARF1 recombinant protein
Sequence	GLFASKLFSN LFGNKEMRIL MVGLDGAGKT TVLYKLKLGE VITTIPTIGF NVETVQYKNI SFTVWDVGGQ DRIRSLWRHY YRNTEGVIFV VDSNDRSRIG EAREVMQRML NEDELRNAAW LVFANKQDLP EAMSAAEITE KLGLHSIRNR PWFIQATCAT SGEGLYEGLE WLSNSLKNST
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	20,529 Da
Sequence Positions	2-181, 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 P11076
Species	Saccharomyces cerevisiae (strain 204508 / S288c) (Baker's yeast)
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for ARF1 recombinant protein	MBS1220492 is a recombinant protein targeting ARF1. Also known as Recombinant Saccharomyces cerevisiae ADP-ribosylation factor 1 (ARF1). Host: E Coli or Yeast or Baculovirus or Mammalian Cell.
Other Notes	Small volumes of ARF1 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 ARF1. It may not necessarily be applicable to this product.

NCBI GI #	6320009
NCBI GeneID	851335
NCBI Accession #	NP_010089.1
UniProt Primary Accession #	P11076
UniProt Secondary Accession #	D6VRG1
UniProt Related Accession #	P11076
GenBank Nucleotide #	NM_001180252.1

NCBI Official Full Name	Arf family GTPase ARF1
NCBI Official Symbol	ARF1
UniProt Protein Name	ADP-ribosylation factor 1
Protein Family	ADP-ribosylation factor
UniProt Gene Name	ARF1
NCBI Protein Information	Arf family GTPase ARF1
UniProt Comments for ARF1	GTP-binding protein involved in protein trafficking; may modulate vesicle budding and uncoating within the Golgi apparatus. Recruits polyadenylate-binding protein PAB1 to COPI vesicles, and this is required for correct localization of the asymmetrically distributed ASH1 mRNA.
Research Articles on ARF1	**1.** Arf1 and the exomer cargo adaptor coordinate cargo sorting into subset of secretory vesicle carriers in the model organism Saccharomyces cerevisiae. Here, we detail the assays we used to explore the cooperative action of Arf1 and exomer to bind and remodel membranes.
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