Adenine Phosphoribosyltransferase (apt) Xanthomonas Oryzae Pv. Oryzae Recombinant Protein

PRODUCT OVERVIEW

Product Name	Adenine phosphoribosyltransferase (apt), Recombinant Protein
Full Product Name	Recombinant Xanthomonas oryzae pv. oryzae Adenine phosphoribosyltransferase (apt)
Product Gene Name	apt recombinant protein
Sequence	MTDCSRCAGT NASGPNYWSE RIRDIVDFPK PGIVFKDITP LLSDGPDFAS ALDEMAQPWR TTPLDAVLGI EALGFILGAA LARELRTGFV PVRKPGKLPG RTLIREYALE YGTDRIEMHE GALPRGARVL IVDDVLATGG TLRAALGLAA QLELEIVGAA VLVELLALQG RQKWADDVPL LATLSF
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	20,009 Da
Sequence Positions	1-186, 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 B2SHR3
Species	Xanthomonas oryzae pv. oryzae (strain PXO99A)
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for apt recombinant protein	MBS1233443 is a recombinant protein targeting apt. Also known as Recombinant Xanthomonas oryzae pv. oryzae Adenine phosphoribosyltransferase (apt). Host: E Coli or Yeast or Baculovirus or Mammalian Cell.
Other Notes	Small volumes of apt 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 apt. It may not necessarily be applicable to this product.

NCBI GI #	501420042
NCBI Accession #	WP_012444712.1
UniProt Primary Accession #	B2SHR3
GenBank Nucleotide #	WP_012444712.1
NCBI Official Full Name	adenine phosphoribosyltransferase
UniProt Protein Name	Adenine phosphoribosyltransferase

Protein Family	Adenine phosphoribosyltransferase
UniProt Gene Name	apt
UniProt Synonym Gene Names	APRT
UniProt Comments for apt	Catalyzes a salvage reaction resulting in the formation of AMP, that is energically less costly than de novo synthesis.
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