Ribonuclease Ph (rph) Saccharophagus Degradans Recombinant Protein

PRODUCT OVERVIEW

Product Name	Ribonuclease PH (rph), Recombinant Protein
Full Product Name	Recombinant Saccharophagus degradans Ribonuclease PH (rph)
Product Gene Name	rph recombinant protein
Product Synonym Gene Name	rph
Sequence	MQRPSGRAPE QLRDVTITRQ FTRHAEGSVL VCFGDTKVIC TASVEAGVPR FLKGQGQGWI TAEYGMLPRS TGSRMGREAA RGKQGGRTVE IQRLIGRSLR AAVDLTALGE HSIVIDCDVI QADGGTRTAS ITGALVALVD AIRYLQREKM ITTDPLVHMV AAVSVGIYEG VPVLDLDYPE DSNAETDMNM VMTEEGGLIE IQGTAEKKPF TDEQFAGMFS LAKKGVAELV ALQKAALAQ
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	25,680 Da
Sequence Positions	1-239, 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 Q21EE1
Species	Saccharophagus degradans (strain 2-40 / 43961 / DSM 17024)
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for rph recombinant protein	MBS1392113 is a recombinant protein targeting rph. Also known as Recombinant Saccharophagus degradans Ribonuclease PH (rph). Host: E Coli or Yeast or Baculovirus or Mammalian Cell.
Other Notes	Small volumes of rph 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 rph. It may not necessarily be applicable to this product.

NCBI GI #	499789419
NCBI Accession #	WP_011470153.1
UniProt Primary Accession #	Q21EE1
GenBank Nucleotide #	WP_011470153.1
NCBI Official Full Name	ribonuclease PH

UniProt Protein Name	Ribonuclease PH
UniProt Synonym Protein Names	tRNA nucleotidyltransferase
Protein Family	Aminoglycoside 3'-phosphotransferase
UniProt Gene Name	rph
UniProt Synonym Gene Names	RNase PH
UniProt Comments for rph	Phosphorolytic 3'-5' exoribonuclease that plays an important role in tRNA 3'-end maturation. Removes nucleotide residues following the 3'-CCA terminus of tRNAs; can also add nucleotides to the ends of RNA molecules by using nucleoside diphosphates as substrates, but this may not be physiologically important. Probably plays a role in initiation of 16S rRNA degradation (leading to ribosome degradation) during starvation.
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