RNA Pyrophosphohydrolase (rppH) Helicobacter Pylori Recombinant Protein

PRODUCT OVERVIEW

Product Name	RNA pyrophosphohydrolase (rppH), Recombinant Protein
Full Product Name	Recombinant Helicobacter pylori RNA pyrophosphohydrolase (rppH)
Product Gene Name	rppH recombinant protein
Sequence	MLHKKYRPNV AAIIMSPDYP NACEVFIAER IDIEGAWQFP QGGIDEGETP LEALHRELLE EIGTNEIEIL AQYPRWIAYD FPSNMEHKFY SFDGQKQRYF LVRLKHTNNI DLNKHTPEFR AYQFIHLKDL LKRIVPFKRQ VYRQVIAYFK REGYL
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	18,550 Da
Sequence Positions	1-155, 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 O25826
Species	Helicobacter pylori (strain 700392 / 26695) (Campylobacter pylori)
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for rppH recombinant protein	MBS1253906 is a recombinant protein targeting rppH. Also known as Recombinant Helicobacter pylori RNA pyrophosphohydrolase (rppH). Host: E Coli or Yeast or Baculovirus or Mammalian Cell.
Other Notes	Small volumes of rppH 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 rppH. It may not necessarily be applicable to this product.

NCBI GI #	15645842
NCBI GeneID	898789
NCBI Accession #	NP_208020.1
UniProt Primary Accession #	O25826
UniProt Related Accession #	O25826
GenBank Nucleotide #	NC_000915.1
NCBI Official Full Name	RNA pyrophosphohydrolase

NCBI Official Symbol	HP1228
UniProt Protein Name	RNA pyrophosphohydrolase
UniProt Synonym Protein Names	(Di)nucleoside polyphosphate hydrolase
Protein Family	RNA pyrophosphohydrolase
UniProt Gene Name	rppH
NCBI Protein Information	RNA pyrophosphohydrolase
UniProt Comments for rppH	Accelerates the degradation of transcripts by removing pyrophosphate from the 5'-end of triphosphorylated RNA, leading to a more labile monophosphorylated state that can stimulate subsequent ribonuclease cleavage.
Research Articles on rppH	**1.** These findings demonstrate an important role for RppH in post-transcriptional gene regulation in pathogenic Epsilonproteobacteria and suggest a possible basis for the phenotypes of H. pylori mutants lacking this enzyme.
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