Ribosomal RNA Small Subunit Methyltransferase A (rsmA) Borrelia Afzelii Recombinant Protein

PRODUCT OVERVIEW

Product Name	Ribosomal RNA small subunit methyltransferase A (rsmA), Recombinant Protein
Full Product Name	Recombinant Borrelia afzelii Ribosomal RNA small subunit methyltransferase A (rsmA)
Product Gene Name	rsmA recombinant protein
Product Synonym Gene Name	rsmA
Sequence	MLLSLLSMNI NYNSITSIKQ TLKEKKIAPR KLWGQNYLIN ENIRQKIIES LDIKENEKIW EIGPGLGAMT DILLKKTNLL TAFEIDLKYS EILNEKFGKL KNFKLIKGDF LKKYPNENKN IDKIFSNLPY NIASKVISKL IEENFLKEMV FTVQKELADR ITAKINSKNY SSFTVLVQSH FTVIKIIDIG GNNFYPAPKV KSTTLKLIPK KHNIKDFKEF NKLIRTVFSS RRKKLKNTII NFITNKAILR ENFLKEYLDK RPENISVEEF IQISNTLTAY H
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	32,769 Da
Sequence Positions	1-281, 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 Q0SMR8
Species	Borrelia afzelii (strain PKo)
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for rsmA recombinant protein	MBS1326846 is a recombinant protein targeting rsmA. Also known as Recombinant Borrelia afzelii Ribosomal RNA small subunit methyltransferase A (rsmA). Host: E Coli or Yeast or Baculovirus or Mammalian Cell.
Other Notes	Small volumes of rsmA 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 rsmA. It may not necessarily be applicable to this product.

NCBI GI #	499920373
NCBI Accession #	WP_011601107.1
UniProt Primary Accession #	Q0SMR8
UniProt Secondary Accession #	G0IQE0

GenBank Nucleotide #	WP_011601107.1
NCBI Official Full Name	ribosomal RNA small subunit methyltransferase A
UniProt Protein Name	Ribosomal RNA small subunit methyltransferase A
UniProt Synonym Protein Names	16S rRNA (adenine(1518)-N(6)/adenine(1519)-N(6))-dimethyltransferase
Protein Family	Anti-sigma-M factor
UniProt Gene Name	rsmA
UniProt Comments for rsmA	Specifically dimethylates two adjacent adenosines (A1518 and A1519) in the loop of a conserved hairpin near the 3'-end of 16S rRNA in the 30S particle. May play a critical role in biogenesis of 30S subunits.
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