DNA Gyrase Inhibitor Yacg (yacG) Rhodopirellula Baltica Recombinant Protein

PRODUCT OVERVIEW

Product Name	DNA gyrase inhibitor YacG (yacG), Recombinant Protein
Full Product Name	Recombinant Rhodopirellula baltica DNA gyrase inhibitor YacG (yacG)
Product Gene Name	yacG recombinant protein
Product Synonym Gene Name	yacG
Sequence	MEPPVKINCP TCGRRFLSDE TPAMPFCSKR CQLIDLGRWM NEEIGLPHEG DPGDAPVEYL DDRDLTQPSP ERQNESFHRY SE
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	9,451 Da
Sequence Positions	1-82, 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 Q7UVA1
Species	Rhodopirellula baltica (strain SH1)
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for yacG recombinant protein	MBS1323787 is a recombinant protein targeting yacG. Also known as Recombinant Rhodopirellula baltica DNA gyrase inhibitor YacG (yacG). Host: E Coli or Yeast or Baculovirus or Mammalian Cell.
Other Notes	Small volumes of yacG 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 yacG. It may not necessarily be applicable to this product.

NCBI GI #	32472147
NCBI GeneID	1794119
NCBI Accession #	NP_865141.1
UniProt Primary Accession #	Q7UVA1
UniProt Related Accession #	Q7UVA1
GenBank Nucleotide #	NC_005027.1

NCBI Official Full Name	hypothetical protein RB2774
NCBI Official Symbol	RB2774
UniProt Protein Name	DNA gyrase inhibitor YacG
Protein Family	DNA gyrase inhibitor
UniProt Gene Name	yacG
NCBI Protein Information	hypothetical protein
UniProt Comments for yacG	Inhibits all the catalytic activities of DNA gyrase by preventing its interaction with DNA. Acts by binding directly to the C-terminal domain of GyrB, which probably disrupts DNA binding by the gyrase.
Precautions	All of MyBioSource's Products are for scientific laboratory research purposes and are not for diagnostic, therapeutics, prophylactic or in vivo use. Through your purchase, you expressly represent and warrant to MyBioSource that you will properly test and use any Products purchased from MyBioSource in accordance with industry standards. MyBioSource and its authorized distributors reserve the right to refuse to process any order where we reasonably believe that the intended use will fall outside of our acceptable guidelines.
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