Heterocyst Differentiation Control Protein (hetR) Trichodesmium Erythraeum Recombinant Protein

PRODUCT OVERVIEW

Product Name	Heterocyst differentiation control protein (hetR), Recombinant Protein
Full Product Name	Recombinant Trichodesmium erythraeum Heterocyst differentiation control protein (hetR)
Product Gene Name	hetR recombinant protein
Product Synonym Gene Name	hetR
Sequence	MMKTDTDLIN SLSPSAMDQI MLYLAFSAMR TSGHRHGAFL DAAATAAKCA IYMTYIEQGQ NLRMTGHLHH IEPKRVKVIV QEVEEALTKG KLLKMLGSQE PRYLIQFPYV WLEQYPWTPS RSRLPGNNLT TEEKRYIEGK LPSNMPDARL INSFQFMELI EFLHRRSQED FPPERRMPLS EALAEHIKRR LIYSGTVTKI DSPWGMPFYA LTRSSYSPEG QEERTYIMVE DTARYFRLMK DWAENNNTNK VMRILEEFDI SPDRFEQAKE DLDEIIRHWA DRYHESGGKQ MVVQMVFGLK DD
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	35,339 Da
Sequence Positions	1-302, 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 Q93CE9
Species	Trichodesmium erythraeum (strain IMS101)
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for hetR recombinant protein	MBS1470612 is a recombinant protein targeting hetR. Also known as Recombinant Trichodesmium erythraeum Heterocyst differentiation control protein (hetR). Host: E Coli or Yeast or Baculovirus or Mammalian Cell.
Other Notes	Small volumes of hetR 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 hetR. It may not necessarily be applicable to this product.

NCBI GI #	118572654
NCBI Accession #	Q93CE9.2
UniProt Primary Accession #	Q93CE9
UniProt Secondary Accession #	Q113Z8

NCBI Official Full Name	Heterocyst differentiation control protein
UniProt Protein Name	Heterocyst differentiation control protein
Protein Family	Heterocyst differentiation control protein
UniProt Gene Name	hetR
UniProt Comments for hetR	Controls heterocyst differentiation. Has both a protease and a DNA-binding activity.
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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